

GenCore version 5.1.6
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4 protein - protein search, using sw model

in on: December 3, 2003, 07:21:37 ; Search time 29.3726 Seconds
(without alignments)
1079.927 Million cell updates/sec

title: US-09-913-955A-1
effect score: 3958

sequence: 1 MEAETGSSVETGKIANRGRTR.....AFNCPNSTMNRGMDSCRLLW 749

scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

searched: 328717 seqs, 42310858 residues

total number of hits satisfying chosen parameters: 328717

minimum DB seq length: 0
maximum DB seq length: 2000000000

post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

database : Issued_Patents_AA:
1: /cgn2_6/ptodata/1/iaa/5A_COMBO.pep:
2: /cgn2_6/ptodata/1/iaa/5B_COMBO.pep:
3: /cgn2_6/ptodata/1/iaa/6A_COMBO.pep:
4: /cgn2_6/ptodata/1/iaa/6B_COMBO.pep:
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMBO.pep:
6: /cgn2_6/ptodata/1/iaa/backfile1.pep:
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

result No.	Score	Query	Match	Length	DB ID	Description
1	1373	34.7	742	4	US-09-704-611-2	Sequence 2, Appli
2	1285.5	34.6	765	4	US-09-704-611-1	Sequence 1, Appli
3	1257	31.8	703	3	US-08-646-273-2	Sequence 25, Appli
4	1257	31.8	753	3	US-08-646-273-3	Sequence 36, Appli
5	1241.5	31.8	758	1	US-08-646-273-1	Sequence 2, Appli
6	1241.5	31.4	708	3	US-08-646-273-2	Sequence 23, Appli
7	1222.5	31.4	754	3	US-08-646-273-3	Sequence 30, Appli
8	1222.5	30.9	765	4	US-09-819-989-4	Sequence 4, Appli
9	1221	30.8	811	4	US-09-819-989-2	Sequence 2, Appli
10	1221	30.8	883	4	US-09-667-373-4	Sequence 4, Appli
11	1184	29.9	787	1	US-08-574-763-2	Sequence 2, Appli
12	983.5	24.8	775	3	US-09-305-640-2	Sequence 2, Appli
13	963.5	24.3	567	3	US-08-646-273-1	Sequence 19, Appli
14	790	20.0	690	4	US-09-329-352-1	Sequence 5182, Appli
15	527.5	13.3	189	3	US-08-646-273-1	Sequence 14, Appli
16	501	12.7	590	4	US-09-107-532A-4682	Sequence 4682, Appli
17	470.5	11.9	632	4	US-09-634-238-2	Sequence 249, Appli
18	246	6.2	181	3	US-09-305-640	Sequence 4, Appli
19	119	3.0	1016	4	US-09-623-974-2	Sequence 24, Appli
20	116	2.9	725	2	US-08-813-940-2	Sequence 25, Appli
21	114.5	2.9	990	2	US-08-392-625-2	Sequence 20, Appli
22	114.5	2.9	990	2	US-08-466-961A-20	Sequence 4682, Appli
23	114.5	2.9	990	2	US-08-645-193B-15	Sequence 15, Appli
24	112	2.8	722	4	US-09-252-991A-17407	Sequence 17407, Appli
25	111.5	2.8	1056	4	US-09-394-227-1	Sequence 4, Appli
26	108	2.7	681	2	US-08-655-345-4	Sequence 52, Appli
27	108	2.7	681	3	US-09-181-273-4	Sequence 52, Appli

RESULT 1

US-09-704-611-2
/ Sequence 2, Application US/09704611
/ Patent No. 658284
/ GENERAL INFORMATION:
/ APPLICANT: JCR Pharmaceuticals Co., Ltd.
/ TITLE OF INVENTION: Membrane-bound Metalloprotease and Soluble Secreted Form Thereof
/ FILE REFERENCE: GP10
/ CURRENT APPLICATION NUMBER: US/09/704,611
/ CURRENT FILING DATE: 2000-11-03
/ NUMBER OF SEQ ID NOS: 9
/ SEQ ID NO 2
/ LENGTH: 742
/ TYPE: PRT
/ ORGANISM: Mus musculus
/ ORGANISM: Mus musculus
US-09-704-611-2

Query Match, Score: 34.7%; Best Local Similarity: 34.7%; Matches: 290; Best Local Similarity: 38.7%; Mismatches: 149; Indels: 44; Gaps: 17;

Query Match, Score: 34.7%; Best Local Similarity: 38.7%; Matches: 267; Best Local Similarity: 38.7%; Mismatches: 149; Indels: 44; Gaps: 17;

Qy 18 GTRIALVYFGVGTLYVLTFLFLVSGQLLSSQAKQBYCLKPCPIEAAAILSKVNLVSVDPC 77
Db 19 GIMVVLILLLAIAVITGV--FYSTALRDSSLSKSDICITTSVIAARILNMQDRNPC 75

Qy 78 DNNPFRACDGHSISNNPIPDMPSGYVPMRHNVDLKLKELEKSISSRRDTEAQKAKI 137
Db 76 ENFYQVACGGWLRHVIPETNSRYSVFDIURDEEVILKSVLDESTDTSQHRS-PAVEAKT 133

Qy 138 LYSSCNEKAIEKADAKPLLHLRHSFRMVPVLSNIGPGCWSR--KPSLLQTLATF 194
Db 134 LYRSCMNQSVTEKRDSEPLLSVIL-MVGGGPVALDK----WNETMGLKMELEQQLAVL 186

Qy 195 FGQYNSVFSYRFLYVSPDDKASNEHILKLDQATSLAVREDYLDNSTEAKSYRDALYKFMV 254
Db 187 NSQFNERVLIDLFINDDONSRSRHYVIDOPTLGMSREYYFQEDNNHH-VRKAYPEFMT 245

Qy 255 DTAVL----LGANSSSRAHDMSVLRLEIKAIEIMPHENRTS-EAMYNKMNISELSA 307
Db 246 SVATMWERKDNLKSESAMYTEEMAELBLTHANATPQEKRHDVTALHRMDLMELQE 305

Qy 308 M-IPQFDWLGKIKY--IDTRLYPHLKDISPSENVYVVPQYFKDLFRILGSERKKT 362
Db 306 RFLGLKGFNWTFIQLQVNLSSVBEV-----PDEBVVYGYIPLQENLBDIDSYARTM 358

Qy 363 ANYLVMARMYSRIPNLSRREQYRNLFSRVIQGTTILLQWDKCVNPIESALPVYGMKF 422
Db 359 QNYLWRLVDRIGSLSQRKFEARVDRYALGTTVEEVWRRECYSNTNMEAVGSLY 418

Qy 423 VDVYFQEDKKEMMEBLVEGVRAFIDMLEKENWMDAGTKRRAKEKARAVLKVGYPERI 482

141 SCMNNEKALEKADAKPLHLILRHSPRWPVLESNIGPEGWSEKFSLIQLTATFRGQYSN 200
 :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
 117 ACMNETREELRALKPLMLIERUG-GRNI-----TSPWAKDNFQ--DTLOVWTAHYRT 166
 201 SFVIRLYVSPDDKASNEHILKLDQATSLAVREPDYLDNSTEAKSYRDALYKFNVDTAVL 260
 :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
 167 SPFFSVVYSAKSNNSNVIQDOSGLPSRDOYL-NKTENERKVLTGYNMAMQLGKUL 225
 :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
 261 GANSSRA-EHDMSVULREIKIAEMIPIHENRSEAM-YKRNNEISLSAMIPQDFWLYI 318
 :|||||:|||||:|||||:|||||:|||||:|||||:|||||:
 226 GGGDEAIRPOMOQIILDETALANITIPOEKRDEELYHKVTAAELQTLPAINWLPF- 284
 :|||||:|||||:|||||:|||||:|||||:|||||:|||||:
 319 KKVIDTRAYPHLKD1SPSENVVVRVPQYFKDLFRILGSERKCTTANLYLWVMMYSRIPNL 378
 :|||||:|||||:|||||:|||||:|||||:|||||:|||||:
 285 --LNT1FYP--VEINNESEPIVYDKEYEIQSTLINTTDRCLINNYIMWNLTKTSSSL 339
 :|||||:|||||:|||||:|||||:|||||:|||||:
 379 SRRFQYRMLFSRVIQGT-TTLLPQWDKCVNFIESALPYVVGKMFVVDYFQEDKKEKME 437
 :|||||:|||||:|||||:|||||:|||||:|||||:
 340 DQFQDADEKFMEMVYGMKKTCPWKPCVSDENLGFALGMPFKVATFAEDSKSIASTE 399
 :|||||:|||||:|||||:|||||:
 438 LVEGVVRAFIDMILEKENWMDAGTKRKAKEKARAVLAKVGFPEFIM-----NDTHV 488
 :|||||:|||||:|||||:
 400 IIEIIRKAFFEESU-STLKMDEETRSKAKADEAIIYNNMIGYPNFMDFKRELDKRVNDTYA 458
 :|||||:|||||:
 489 NPDLKAIKFSEAYAFGNVLOTRKLAQSDFFW----LRKAPKTEFTNPNTVNAAYS 542
 :|||||:|||||:
 459 VPDL-----YFENAMRFL---NFNSWRVTAOLRKAPNQDSMTTPMVNAAYS 503
 :|||||:
 543 ASTNQIRPAPGLOKPFPMGTYEPRSLSYGAIGVYIGHFETHGFDNNGRKYDKNGNLDPW 602
 :|||||:
 504 PTKNEIYFPAGLQAPPYTRSS_PKA1NFGGIVVGHBLTHAFDDCERYDGDNLRLPW 562
 :|||||:
 603 WSTESEKFKETKCMINQSNYWKAGLNYKGRTIGENIADNGGLREAFFRAYKWN 662
 :|||||:
 563 WKNSSVAFKQTECMYEOQSNY--SYNGEPYNGRTLGENIADNGGLKAAYRQYQWV- 619
 :|||||:
 663 DRRQGLEPLLPLPITFTNOLFFLSSYAHVRCNSYRPEAREQQVQIGAHSPPQRVNGAIS 722
 :|||||:
 620 -KKNGAHS_LPTLGLNNLNLFFLGPAQWCSVRTPESSHEGLITDHPSPSRFRVIGSLS 677
 :|||||:
 723 NSEEFKAFKNCNPNSTMNRMGDS-CRLW 749
 :|||||:
 678 NSKEFSEHFRCPGSPMN -PPHKCEVW 703
 :|||||:
 SULT 4
 -08-646-273-36
 Sequence 46: Application US/086464273
 GENERAL INFORMATION:
 APPLICANT: Koerger, Burkhard, Harald, Meyer, Thomas, Schmidt.
 TITLE OF INVENTION: Endothelin Converting Enzyme (ECE).
 NUMBER OF SEQUENCES: 36
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: K&L Weintrauf
 STREET: 1101 Connecticut Avenue
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20036
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.5 inch, 1.4 Mb storage
 COMPUTER: IBM AT-compatible, 80486 processor
 OPERATING SYSTEM: MS-DOS version 6.0
 SOFTWARE: WordPerfect version 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US 08/646,273
 FILING DATE: 16-Nov-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION NUMBER: PCT/EP94/03706

MOLECULE TYPE:	Protein
SEQUENCE FOR SEQ ID NO: 36	31.8%;
SEQUENCE CHARACTERISTICS:	Best Local Similarity 37.6%;
LENGTH: 753 amino acids	Matches 281; Conservative 12
TYPE: amino acid	
TOPOLOGY: linear	
S-08-646-273-36	
Query Match 21	IALVVFVGGTLVLTGTLFL
Y Y : : :	: : :
b b 53 VVLVLV ---LAAGLVACL	
Y Y 81 FRAFGDGWISNNNPIPEDMP	
b b 109 PSYACCGWIKANPVPDGHS	
Y Y 141 SCMNNEKAIEKADAKPLHLHI	
b b : : : : :	: : : :
Y Y 167 ACMNTRIEELRAKPLMEL	
b b 201 SVPIRILYSPDDKASNBHI	
Y Y : : : : :	: : : :
b b 217 SPFFSYYVSASIKNSNSNV	
Y Y 261 GANSSSA -EHDMKSVIRLE	
b b 276 GGGDEEARPQMQLIDPFE	
Y Y 319 KKVIDTRFLYPHLKDIPSE	
b b 335 ---LNTIYFP - -VINESE	
Y Y 379 SRRFQYRWLLEFSRVIQGT -	
b b 390 DQRFPQADEKEMVMMGTK	
Y Y 438 LVEGYRWAIFMDMLEKENNEW	
b b : : : : :	: : : :
Y Y 450 IILEKKAFFEISL -STIKW	
b b 489 NEDLKAIFKFSADYFGNVL	
Y Y : : : : :	: : : :
b b 509 VPDL -----YFENAM	
Y Y 543 ASTNQTRFPAGLQKPFWM	
b b : : : : :	: : : :
Y Y 554 PTKNEVFPAGILOQIAFYTT	
b b 603 WSTESBEKFKERTKCMINQ	
Y Y : : : : :	: : : :
b b 613 WKNSSVEAFRQTECMVEQ	
Y Y 663 DRROGIEEPLPGLGITTTNN	
b b : : : : :	: : : :
Y Y 670 -KGNGAEHS -LPTLGJTNNN	
b b 723 NSEEFOQAKFNPNSMNRK	
Y Y : : : : :	: : : :
b b 728 NSKEFSEHFRCPGSPYNN-	

TITLE OF INVENTION: Membrane-Bound Metalloprotease That Catalyzes The
 NUMBER OF SEQUENCES: 5
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Arnold, White & Durkee
 STREET: P.O. Box 4433
 CITY: Houston
 STATE: TX
 ZIP: 77210-4433
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/289,112
 FILING DATE: 10-APR-1994
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Parker, David L.
 REGISTRATION NUMBER: 32,165
 REFERENCE DOCKET NUMBER: UTSD:414/PAR
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 713-787-1400
 TELEX: 713-789-2679
 LENGTH: 758 amino acids
 TYPE: protein
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 IS-08-289-112-2

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
 LENGTH: 758 amino acids
 TYPE: protein
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 IS-08-289-112-2

Query Match 31.5%; Score 1248.5; DB 1; Length 758;
 Best Local Similarity 37.9%; Pred. No. 5.8e-141;
 Matches 282; Conservative 121; Mismatches 281; Indels 61; Gaps 21;

2Y 23 LVVFVGGTLVLGTLVLYSQGLLSQLQKPECTEAAAIIISRVNLSVDPQDNFFR 82
 57 LVLV-ALLAAALVACLAVLGIGQQTPTPSVCLSEGTSVTSISSLSSMDPTVDCODFFT 115
 83 FADGWSNNPDEDPSYGVPPWLRHNDLKLKELEKTSRRRTEAIOKAKLYSSC 142
 116 YACGGWIKANPVDPGHSRWTFSNLWEHQAIIKHLLENSTA-SVSEAERKAQYYRAC 173
 143 MNEKAIEKADAKLHLRHSPPRWPVLESNIGPEGWSEKRSFLQLTATFRGQYSNSV 202
 174 MNTRIEEPLKAKLMEELIEKLG-GWNT-----TGWDKDNQ- DTLQVVTSYHTSP 223
 203 FIRLYVSPDDKASNEHILKLDQATLSLAVREDYLDNSTEAKSYDALYKEMVDTAVLGA 262
 224 FFFVYVADSKNSNSNTVQDQGLGIPSPRDYL-NNTENEVKLVLYNNVQLGKILGG 282
 263 NS-SRAHDMSVURLEKIAEIMIPHENRTSEAM-YNKNMISELSAMIPDFWGYIKK 320
 283 GADTIRPQMOQOLDFETALANTITIPEKKEERELLYKVTAAELQTLAPAINLWPF--- 339
 321 VDITRFLYHKLDSPLSERVVPQYFKDLFILGLSPRKTKTANYLWRMYSRPNLSR 380
 340 -LNTIFP--VENESEPIVYDKEYLSKUSTLINSIDKCLLNMYMNLVKTSSFLDQ 396
 381 RFFYRWLFSRVLQGT-TTLLPQDKCUNFIESTALPVVGRMFVDFYFQEDKRNMEELV 439
 397 RFDADAEKFMEMYVGTKTKTCLPRWKCFVSDENTLFGALGPMVWATFAEDSKRNASEII 456
 440 EGYRWFADMLKEENEWMDAGTKRKEKARAVLAKYVPEFT-----NDTHVNE 490
 457 LEIKKAAEESL-STLKMKDDETRKSAKEKADANMIGYPFIMDKELDKVFDNTVAPP 515
 491 DLKAIKFEADYFGNVLQTRKYLQSDFFW----LRKAVPKTERFTVNAFYSAS 544

Db 516 DL-----YFNAMEF----FNSWRVTADQLRKAPNDRQSMNTPPMNYAYISPT 560
 QY 545 TNQIRFPAEGLQKPFPEWCTEYPRSLSYAIGIVGIVGHEFTGFDNGRKYDNGRNLDPMWS 604
 Db 561 KNEVPGILQAFYTGS-PAALNFEGGIVVGHETLTHADQGRETDGDNLRPKW 619
 QY 605 TESEBEKFKETKCMINQSYNNWKGAGLNKGKRTLGENIADNGGLRFAFRAYRKWINDR 664
 Db 620 NSSVEAFKQOCTAHCVEQYGNY--SVNGEPVNGRHTLGENIADNGGLKAYRAYQNWW- K 675
 QY 665 RQGLEPLPLGIFTNNQFLPSYAHVRCNSYRPEAAEQVQGAHSPPQFRNGAISNS 724
 Db 676 KNGAEQ-TLPTLGLTNNQFLPSQGQWVCSVRTPESSHEGLTDPHPSRFRVIGSNS 734
 QY 725 BEFOKAFNCPNSTMNRGMDSCRW 749
 Db 735 KFSEHFHCPGSPMN - PHKCEW 758

RESULT 6
 US-08-646-273-23
 Sequence 23, Application US/08646273
 Patent No. 6066502

GENERAL INFORMATION:
 APPLICANT: Kroeger, Burkhard, Seulberger, Harald, Meyer, Thomas, Schmidt, Strobl, Rainer, Subkowski, Thomas, Hillen, Heinz.
 TITLE OF INVENTION: Endothelin Converting Enzyme (ECE).
 NUMBER OF SEQUENCES: 36

CORRESPONDENCE ADDRESS:
 ADDRESS: Keil & Winkauf
 STREET: 1101 Connecticut Avenue
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA

ZIP: 20036
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.5 inch, 1.4 Mb storage
 COMPUTER: IBM AT-compatible, 80486 processor
 OPERATING SYSTEM: MS-DOS version 6.0
 SOFTWARE: WordPerfect version 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/646,273
 FILING DATE: 16-NOV-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/EP94/03706
 FILING DATE: 11-NOV-1994
 INFORMATION FOR SEQ ID NO: 21:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 708 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 IS-08-646-273-23

Query Match 31.4%; Score 1241.5; DB 3; Length 708;
 Best Local Similarity 37.9%; Pred. No. 2.5e-113;
 Matches 292; Conservative 120; Mismatches 282; Indels 61; Gaps 21;

Qy 23 LVEFGGTIVLGLTFLVQGGLLSQLQKPECTEAAAIIISRVNLSVDPQDNFFR 82
 Db 7 LVLV-ALLAAALVACLAVLGIGQQTPTPSVCLSEGTSVTSISSLSSMDPTVDCODFFT 65
 Qy 83 FADGWSNNPDEDPSYGVPPWLRHNDLKLKELEKTSRRRTEAIOKAKLYSSC 142
 Db 66 YACGGWIKANPVDPGHSRWTFSNLWEHQAIIKHLLENSTA-SVSEAERKAQYYRAC 123
 Db 66 YACGGWIKANPVDPGHSRWTFSNLWEHQAIIKHLLENSTA-SVSEAERKAQYYRAC 123
 Qy 143 MNEKAIEKADAKLHLRHSPPRWPVLESNIGPEGWSEKRSFLQLTATFRGQYSNSV 202
 Db 143 MNEKAIEKADAKLHLRHSPPRWPVLESNIGPEGWSEKRSFLQLTATFRGQYSNSV 202
 Db 124 MNTRIEEPLKAKLMEELIEKLG-GWNT-----TGWDKDNQ- DTLQVVTSYHTSP 173
 Qy 203 FIRLYVSPDDKASNEHILKLDQATLSLAVREDYLDNSTEAKSYDALYKEMVDTAVLGA 262

174	FFSYVVSADSKRISNSNVIQDQSGGLGSPRDYLL-NKTENEYKVLGYLNMMYQLGKLLGG	232
263	NS-SRAEDHDMKSVRLIEKIAEIMIPHENRTSEAM-YNMKNISELSAMIPOFDWLGYIKK	320
233	GAEDTIRPQQQLDFETALANITIPQEKRRDDELIXHKVTAELQTLAPAINWLPF--	289
321	VIDTRLYPHLKD1SPSENVVRVPQYFSDFLRIGSERKKTANYLWARMYTSRIPNLSR	380
290	-INTU1FYR--VEVNESEPIVYDKEYRSLKUSTININSTDKCLUNNNYMNWLVRKTSSELDQ	346
381	RFOYRWLBEFSRVIQGT-TTLLPOWDKCNFIELALP1VVGFMFDVTFQEDKMMBDELV	439
347	RFDQDADEFMENYGTKTKTCLPWRKFCVSDTENTLGALGPMEVKATAEDSKNIASEII	406
440	EGYVRWAFFDMLEKENEMNDAGTKRKAKEKARAVLAKYYPEFIM-----NDTHVNE	490
407	LEIKKAFBESL-STLKNMDEDTRKSAKEKADAYNMIGYPNFIMDPKELDKVFNDDYTAVP	465
491	DLKAIKFSSEADFGNVLUTKRYLAQSDFW-----LRKAVKPTETWNTNPPTVNAYPSAS	544
466	DL-----YFENAMRF-----FNESWRYTADQURKAPRQDQSMTPPMVNAYTSPT	510
545	TNOIRFPAGELOKPFFWCTEYPRSLSYGAIVGTVGHFTHGFDNGSRYDKNGNLDPWNS	604
511	KNEIVVPAIGLQAPYIYRS - DNALNNGGIGVGHLETHADQGGEYDDGDNLPWKK	569
605	TESEEFKKEKTMCMINOYSNYIWKAGUNVKSKRTLGENIADNGGLREAFRAYRKWINDR	664
570	NSSVEAFQQQTACMVEQIGNY - SVNGEVPVNGRHTLGENIADNGGKRAAYQVNNW - K	625
665	ROGLEYEFLPGLTFTNNQLEPLSYAHTRCNSYPREAREQVQIGAHSPPQRVNGMISNS	724
626	RNGAEQ-TLPTGLTNNQLEPLSYAHTRCNSYPREAREQVQIGAHSPPQRVNGMISNS	684
725	EEBFQKAPNCPPNSTMNRGMDSCRLW	749
685	BFSESEHHHCPPQSPMNNPHKCEWV	708

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263	NS-SRAEDDMKSVLRLERKIAEIMIPHNRNTSAM-YNKONITSELSAMIPQFDWLGYIKK	320
233	GADDTIRPQMOQIILDFETALANITIPQEKRDRDELITHKVTAELQTLAPAINWLPP---	289
321	VIDTIRLYPHLKDISPSENVVVRPQYKFDLFRLLGSEBRKTIANLYWRYMMYSRIPNLSR	380
290	-LNTIYFP--VENESEPPIVIDKEYLSKVSTIINSTDKCLNNYNTWNFLRKTSSELDQ	346
381	RFORWLEBFSRVIQGT-PTLIPDWDKCVNFIESALAPVYVGROMFDVYFQEDKEMMELV	439
407	LEIKRKFEESSL-STLKNNDDETRRSAKADIAINNMGYPNIMDPKELDKVFNDFYATVP	465
347	RFQDADEKFMEVNYGTKXTCPLPKWFCVSDTNTLGALGPMEVKAFFAEDSKNIASEII	406
440	EGYRWAIFDMLKEENYNDAGTKRKAKEKARAVLAKYYPEFIM-----NDPHVNE	490
491	DILKAIKPFSEADYFGNVLOTRKYLQSDEFW-----LRKAVPKTEWFTNPPTVNAFYSAS	544
466	DL-----YFENAMRF-----ENFSWRVTAIDOLRKAPRUDRDSRMTPPMVNAYSP	510
545	TNOIRPAGELOKPFFGTYPRPLSYGAIGNVTGHEETHGFDNGRKYDKGNGNLDPWMS	604
511	KNEIVFFAGILQAPFYTRSS-ENALNFGGIGVYVGHLLTHAEDDQGREYDKGNGLRFWWK	569
605	TESEKEKEKTMCMINDYSNYYWKAGIUNVKRKTUGENIAINGGIREAFAAYRKWINDR	664
570	NSSVEAKQQTACMVEQYGNY--SVNGEPPVNGRHTLGENDIAINGGLLAAAYQWNVW-K	625
665	ROGLEYEPLP2G1TFTNNQFLFPLSYAHTCRCSYRPAAREQVQIGAHSPPQRVNGAISNS	724
626	RNGAEQ-TLPTGLTNNQLFFESHEGLTDDPHSPSRVIGSISNS	684
725	EEFQKAFCNPCCPNSTMNRGMDSCRW749	
685	KEFSEHHCHCOPSPMNNPHKCEWV708	

WILT 7
08-646-273-30
Sequence 30, Application US/08646273
Patent No. 606502
GENERAL INFORMATION:
APPLICANT: Kroeber, Burkhard
COUNTRIES: Germany, Mexico, Canada, United States

7
JULT 7
08-646-273-30
Sequence 30, Application US/08646273
agent No. 6066502
GENERAL INFORMATION:
APPLICANT: Krieger, Burkhard, Seubelberger, Harald, Meyer, Thomas, Schmidt, Jacob, Blard, Otter, Rainer, Subkovski, Thomas, Hillen, Heinz.
TITLE OF INVENTION: Endothelin Converting Enzyme (ECE).
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Keil & Weintraub
STREET: 1101 Connecticut Avenue
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20036
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.4 Mb storage

RESULT 8
US-09-819-989-4
; Sequence 4, Application US/0981989
; Patent No. 6482639
; GENERAL INFORMATION:
; APPLICANT: WEI MING-HUI et al.
; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; THEREOF
; FILE REFERENCE: C/001200
; CURRENT APPLICATION NUMBER: US/09/819,989
; CURRENT FILING DATE: 2001-03-29
; NUMBER F SEQ ID NOS: 4
; SOFTWARE: Fast SDS for Windows Version 4.0
SOFTWARE: WordPerfect version 5.1
CURRENT APPLICATION NUMBER: US/08/646,273
APPLICATION NUMBER: US/08/646,273
CLASSIFICATION: 435
CLASSIFICATION: 16-NOV-1994
PRIORITY DATA:
APPLICATION NUMBER: PCT/EP94/03706
FILING DATE: 11-NOV-1994
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 754 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

SEQ ID NO 4
; LENGTH: 765
; TYPE: PRT
; ORGANISM: Human
US-09-819-989-4

Query Match Score 1222.5; DB 4; Length 765;
Best Local Similarity 35.4%; Prd. No. 2.2e-111; Mismatches 302; Indels 45; Gaps 20;
Matches 270; Conservative 145; MisMatches 302; Indels 45; Gaps 20;
Length: 811

Query Match Similarity 30.8%; Score 1221; DB 4; Length 811;
Best Local Similarity 35.2%; Prd. No. 3.4e-111; Mismatches 303; Indels 38; Gaps 17;
Matches 264; Conservative 144; MisMatches 303; Indels 38; Gaps 17;

Query Match Similarity 30.8%; Score 1221; DB 4; Length 811;
Best Local Similarity 35.2%; Prd. No. 3.4e-111; Mismatches 303; Indels 38; Gaps 17;
Matches 264; Conservative 144; MisMatches 303; Indels 38; Gaps 17;

Query 10 ETGKANRGTRIAL-VVFVGTILVITLFL--LYSQGL-LSLQAKQEYCLKSPECIEAAAA 65
Db 92 QXGTRDLSGSSPTOLEVLAAASLLAALLGCLVALGVYHRDPSHS 92

Query 11 LSKYKLSVDPDCDNFRFACDGWISNNPTEDMPSYGVYFWLRHNDLKLKELLEKSISR 125
Db 152 ILESLDRGVSECFDYQFSSCGWIRNPLDGRSRWNTNPSLWDQNAIQLHLLNT-PE 210

Query 126 RRDTEAIIQAKILYSCMNEKAIEKADAKLHLRHSPPRWPYLESNICGP--EGVWSE 182
Db 211 NSSSEAEQTKTQRFLYSLCLOVERELGAQPLRLI-----EKIGGMNTGPWDO 259

Query 183 RKFSLIQLTAFRGOVNSNSVIRLYSPDPAKNSHILKUDQATLSLAVEDYLDNSTEA 242
Db 260 DNF--MEVLAQAVGTYRATTFPTVYISADSKSNSNVIQDQSGFL 316

Query 243 KSYRDALKFPMVDTAVLGANSRAEDHMESVRLBEKIAEIMIPH-ENRTSEAMYNKON 301
Db 317 EKVLTAYLDMEELGMLGGRPTSTREQMVOVLEIQLANITYPQDQRDEEKYHOMS 376

Query 302 ISELSAMIPQDPMWLYGTYKIVDTRLYPHKMDISPREBNVYRVPOFKDQFLGSEKCT 361
Db 377 ISELQALAPSHDWLFLSP-----LSDSBDPVPYQMDLHQVSELINTEPSI 430

Query 362 IANLYVARMYTSRIPNLSRQYRNLJEFSSRVIQST-TTLLPOWDKCVNFIQ 420
Db 431 LNNYLWLNLYKRTTISLDREFAESAQKLKLTLTGTKKSCKPRWQTCISNNTDALLG 490

Query 421 MFDVYVQFQBDKEMMELBLVGRWAFIDMELKENEWMDACTKRAKEKARAVLAKVYPE 480
Db 491 LFVKATFDRQSKKEIAEGMISEIRTAFFEEAL-GOLVWMDERTROAKERADAYDMIGFPD 549

Query 481 FIMNDTHVNEIDLKATKFSEADYFGNLQTRFLYLAQDFWFLRKAQPKTEFTNPFTVNAF 540
Db 550 FILEPKELDYYDGYEISSEDFQMLNLYNESAKMADOLRKEPSRQDSMTPTVNAF 609

Query 541 YASASTNQIRFPAEGELOKPFWGTEYPRSLSYGAIVIVGHEFTGFDNNNSRKYDNGNL 600
Db 610 YLPTKNEIVFAGLQAFY-ARNHPKALNFGGIVMCHELTHAFD 668

Query 601 PWMSWSESEEKKEKTKCMINHOYSNTWYKZAGLNRYKGKRTLGENADN 668
Db 669 PWQNSLSLAAPRHNHACMEBEEYQYQ--QVNGERLNGRTQGENADN 726

Query 661 INDRRQLEELPFLGJITFTNQLPFLSYAHCNSYRPEAREQVQIGAHSPPQRVNGA 720
Db 727 L- -RKHG-EBQOLPAVGLTHQFLFFGFAQWCSVRTPESSHEGLVT 783

Query 721 ISNSSEFQKAENCPPNSTMRGMDSCRLW 749
Db 784 LSNSRFLRHTGCPVGSPPMNG-QICEVW 811

RESULT 9
US-09-819-989-2
Sequence 2, Application US/09819989
; GENERAL INFORMATION:
; Patent No. 6482629
; APPLICANT: WEI, Ming-Hui et al.
; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
; ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; FILE REFERENCE: CL001200

RESULT 10
US-09-667-173-4
; Sequence 4, Application US/09667373
; Patent No. 6224840
; GENERAL INFORMATION:
; APPLICANT: Donono, Gregory

APPLICANT: Turner, C. Alexander Jr.
 APPLICANT: Nehis, Michael C.
 APPLICANT: Friedrich, Glenn
 APPLICANT: Zambrowicz, Brian
 APPLICANT: Sands, Arthur T.
 TITLE OF INVENTION: No. 6524840el Human Endothelin Converting Proteins and Polynucleotides Encoding the Same
 FILE REFERENCE: LEX-0043-USA
 CURRENT FILING DATE: 2000-09-22
 PRIOR APPLICATION NUMBER: US 60/156,102
 PRIOR FILING DATE: 1999-09-24
 PRIOR APPLICATION NUMBER: US 60/176,689
 PRIOR FILING DATE: 2000-01-18
 NUMBER OF SEQ ID NOS: 5
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 4
 LENGTH: 883
 TYPE: PRT
 ORGANISM: homo sapiens
 US-09-667-373 4

Query Match 30.8%; Score 1221; DB 4; Length 883;
 Best Local Similarity 35.2%; Pred. No. 3.9e-111; Mismatches 144; Conservate 144; Gaps 17;
 Matches 264; Conservate 264; Gaps 17;

Qy 10 ETGKKANRGTTRIAL-VVFGGTLVGLTILF-LVSQGL-LSLQAKQEYCLKPECIEAAAA 65
 Db 164 QKGTRQLLSRTQELVAGSLIAAIIIGCVALGVQHREPSHSTCLTACIRVAK 223
 Qy 66 ILSKVNLSVPDCNPFACDGWSNNNPIPEDPSVGVPLRHNVDLKLRELEKISR 125
 Db 224 ILESLLDRGVSPECDFYQFSCGGWTRRNPLPDGRSRNTENSLLWDQNQAIKLHILENT-TF 282
 Qy 126 RDTDEAIQAKLSSCNEKAERKADPLLRLHSPFRNVLBESIGP--EGWSE 182
 Db 283 NSSSEAQKTOPYFLSCLQVERIEELGQPLRLI-----EKIGGNNITGPWDQ 331
 Qy 183 RKFSLLQLQTATFRGQYSNSVFLRILYSPDDKAESNEHILKLDQATLSSLAVREDDYLDNSTEA 242
 Db 132 DNF--MEVJKAVACTYRATPFFVYISDSKSNNSNIVQDGLFSDRSDYL-NRTAN 388
 Qy 243 KSYRDALYKFMVDTAVLGANSSSRAEHMKSVRSLKIAEIMIPH-ENRTSBEAMNKMN 301
 Db 389 EKLTAYLDMEIGLMLGGRPSTREMOQVDELEIOLANITVPPQRDRDEKITHMS 448
 Qy 302 ISEL-SAM1POFDWLGYIKKVIDTRLYPHLKDLSIPSENVYVRYQFYFDLFLGSRPKKT 361
 Db 449 ISELQALAPSMDFLFLSPS-----LELDSEPVVYGDYDLOQVSELINRTEPSI 502
 Qy 362 IANLYLWMMVYSSRIPNLSRRFQRWLFESRVIQGT-ITLIPQWDKCNFIESALPVVGK 420
 Db 503 LNNYLINLIVQKTTSSLDLRRFESAEQKULETLYGTKEKSCPVWOTCSNTDDALGPALS 562
 Qy 421 MFVDVYFOEDKEMMEELVGYWAFIDMLEKENEMADAGTKRKEKARAVLARYTYPE 480
 Db 563 LFYKATFDRQSKIAEGMISEIRTAFFEAL-GOLVNINDEKTRQAAKEKADAYDMIGRPD 621
 Qy 481 FIMNDTHNEDLKAIKSEADYFGNVLQCTRKLQSDFWLEKAVPTEWFTNPTVNAF 540
 Db 622 FILEPKEDDYYDGYEISEDSFFONMLNLYNSAKYMDOLRKPPSRDQSMTPQTWNY 681
 Qy 541 YSASTNQIRPFAEQLKEPFWGTEYPRSLSYGAIVVGHEFTGDNNGKRYDKNGNL 600
 Db 682 YLFTKNEVFPAGLQAFY-ANHPKALNFGGIVGMGHLETHAEDQGREYDREGNLR 740
 Qy 601 PWYSTESEPKFKEKTKMINOYSNNWKKAGLNGKGRKTGENIADNGGLREAFRAYRKW 660
 Db 741 PWQNQESLAAFRNHTAEMEQNQY---QVNGERLNGQTGLGENIADNGGLAAVYAKW 798
 Qy 661 INDRQGLEEPLPGLGTTNOLFLFLSYAHCNSYRPEAAREQVQIGAHSPPQRVNGA 720
 Db 799 L--RKHG--EEQOLPAVGLTNHOLFVFGFAQYQWCSVRTPESSHEGLVYDQQVSELINR 855

Qy 721 ISNSEEFOKAENCPNPNSTMMNGMDSCRW 749
 Db 856 LSNSRDFLHRFGCPVGSPMNPQ-QLCCEW 883

RESULT 11
 US-08-574-763-2
 ; Sequence 2, Application US/08574763
 ; Patent No. 5736376
 GENERAL INFORMATION:
 APPLICANT: Yanagisawa, Masashi
 TITLE OF INVENTION: RECOMBINANT ENDOTHELIN CONVERTING PROTEIN AND ITS USE IN ECE INHIBITOR SCREENING
 TITLE OF INVENTION: ENZYME-2 AND ITS USE IN ECE INHIBITOR SCREENING
 NUMBER OF SEQUENCES: 7
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Arnold, White & Durkee
 STREET: P. O. Box 4433
 CITY: Houston
 STATE: TX
 COUNTRY: USA
 ZIP: 77210-4433
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08574763
 FILING DATE: Concurrently herewith
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: Corder, Timothy S.
 REGISTRATION NUMBER: 38,414
 REFERENCE/DOCKET NUMBER: UTXD:472
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (512) 418-3000
 TELEFAX: (512) 474-7577
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 787 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 US-08-574-763-2

Query Match 29.9%; Score 1184; DB 1; Length 787;
 Best Local Similarity 35.1%; Pred. No. 1.4e-207; Mismatches 313; Indels 38; Gaps 18;
 Matches 265; Conservate 138; N mismatches 138; Indels 38; Gaps 18;

Qy 4 BTGSSVETGKANRGTTRIALVVFQGTLVGTILE--LVSQGL-LSLQAKQEYCLKPEC 60
 Db 64 EAGFRKRTSRLGLHTQLEVL-AGVSLILAAUILLGCLVLGQYHRDHSHTCLTEAC 122
 Qy 61 EAAALLSKVNLSVPDCNPFACDGWSNNNPIPEDPSVGVPLRHNVDLKLKELE 120
 Db 123 RVAGKLESLDRGVSPECDFYQFSCGGW.RRNPLDGRSRNTENSLLWDQNQALKHLE 182
 Qy 121 KSISSRRDTBAIQAKLSSCNEKAERKADPLLRLHSPFRNVLBESIGP--PE 177
 Db 183 NT-TNNSSSAAEKTQRFYLISLQVERIEBLGA---HARD-----LIDKIGGWNVT 230
 Qy 178 GWWSERKFSSLQLTATFRGQYSNSVFLRILYSPDDKASNEHILKLDQATLSSLAVREDDYLD 237
 Db 231 GPWDQDNF-MEVLKAVAGTYYRATPFFTYVSADSKSSNSNTIYDQSGFLPSRDYVYI- 287
 Qy 238 NSTEAKSYNDALYKEMVDAFLAVLGANSSPAEHDMSVLRLEKIAIMIPH-ENRTSEAM 296
 Db 288 NRTANEKVLTAYLDMEELGMLLGQOPTSTREQNRQVTELEQIANTYQDQQRDRDEEKI 347
 Qy 297 YNKNKISELSAM1QFDWLGYIKKVIDTRLYPHLKDISPSENVVRFQYFKOLFRLIGS 356
 Db 348 YHKNMISIAELQALAPSMDWLEFLSLSP----LELGDSEPVVYGYTDLQQVSELINR 401

357	ERKTIANYLWWRMYYSSIPNLSRFRQYRWFLEDSRVIQGT-TTLIPLQWDKICVNFTEALP	415
402	TEPVNLNYLWNLVQKTSSLDRHRESAQEKLLETYGTGKSCTRWQTCISNTNDALG	461
416	YVYGMFVDDYFQDKKEMMEEELVEGVYRWFIDMLEXENEYNDTAGTKRKEKABAVLAK	475
462	FALSSLFVYKATFQBSKRIAGMSEIRVAFEEAL-GHJVNMDKETRQAKEKAIAJDM	520
476	VGYPEFIMNDTHYNEDLKAIKFSEADYFGNVLQTRKYLQAQSDFEWLIRKAVBKTENWFTNPT	535
521	IGFPDFILEPKELUDVYGEYSEDFSFFQNMNLNYESARYNAQDLRKKPSRDQNSMTPQ	580
536	TYNAFYASSTNOIRFPPAGELOKQFENWGETYPSLSSYGAITVGVHEHTGDNNGRKYDK	595
581	TYNAAYLPPKNEYFPAQILQAFYF-TCNHQPLNFGFQGIVGVNGHEATHDDQREYDK	639
596	NGNDLPWSTESEEKFKETKCMINQSYNNKKAGLNVKGRTRLGENIADNGGLRERAFR	655
640	EGNLRPWWQNESSLAFRNHTACEEQSYQ - -QNGEKLNGQTGLGENIANGGJKAAYN	697
656	AYRKWINDRQGLEBPLLGITFNNQLEFLSYAHVBCNSYRPEAREQVQIGAHSPPQF	715
698	AYKAWL - -RKHG - -EEOCLPAVGTLHOLFFVGAQWMSCSRTPESSEHGLVTDPPSPARF	754
716	RVNGAISNSSEFOAFCNPSPNSTMNRGNDSCRW	749
755	RVLTGLNSNRDDELHFGCPVGSPNNSG - -QLCEW	787

S1LT 12
 -03-305-640-2
 Sequence 2, Application US/09305640B
 Patent No. 6555468
 GENERAL INFORMATION:
 APPLICANT: SmithKline Beecham plc
 TITLE OF INVENTION: No. 6255468el Compounds
 FILE REFERENCE: GP30124
 CURRENT APPLICATION NUMBER: US/09/305,640B
 CURRENT FILING DATE: 1999-05-05
 NUMBER OF SEQ ID NOS: 4
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 2
 LENGTH: 775
 TYPE: PRT
 ORGANISM: Homo sapiens
 -09-305-640-2

Query Match 24.8%, Score 983.5, DB 31, Length 775;
 Best Local Similarity 31.0%, Pred. No. 8.9e-88, Indels 67, Gap 23
 Matches 233; Conservative 158; Mismatches 294; Indels 67; Gap 23

23 L V F V G T N L V G T I L F V S Q G L I S L - Q A K Q E Y C L K P C I E A A A I L - S K V N L S V D P C
 66 L V F A G L C A I A A M I A L A K Y L G V V A A G G G A C P G G C P E R K A F A A R E F A A N I D A S I P C
 80 F F R E A C D G W I S N N P I P E D P S Y G V P M R H N V D L K U K E L L E K S I S R R D T E A I Q R A K I
 126 F Y S F A C C G W L R H A I P D D K L T G T I A I G Q N E E R R R L L A P - G G G P G G A Q Q R Y R A
 140 S S C M N E K A E K A D A K P L U H R S P P R M V L E S N I G P G V W - - - S R - - - K F S L
 185 R S C L D M P E I E R G P R M P L E I D C - - - - - G G W D L G G A E R P G V A A R W D L
 190 T L A T E R G G Y S N V F I R L Y S P D D K A S N H I L K L D Q A T L S L A V R E D Y L D N S T E A K S Y R D
 231 L I Y K A Q G V Y S A A A L F S L T V S L D U R N S V I R D Q D G I L P E T P L Y I Q A D E S E K I L A
 250 Y K F M V D T A V I L G A N S S R A E H D M K S V U R L E I K I A E I M I P H E N - - R T S E M Y M K N O N I S E
 291 R V F M E R V S L L G A D A - V E Q K A Q B I L Q V E Q Q L A N I T Y S E Y D D L R R D V S M M N K V T U L Q C
 307 A M I P Q F Q D G L Y Y K K V I D T R L Y P H L K D I S P S E N T V R V P Q Y K P D L F R L G S E R K K T I A N

12 W-EHNQAI-1KHLLENSTA--SYSEAERKQEEYRACMNETR1EELKAKPLMELIEKLG- 66
 166 RWPYLENIGPECWSERKPSLQLQTATFRGQYSNSVIRLYVSPDDKASNEHILKLDQA 225
 67 GWN1-----TGWDKDNFQ--DTLQVVTSHYHTSPSFVSVADERSNSNNVQDQS 117
 226 TLSAVERDYLDSNEAKSYRDAILYKEMDVTAVLGANS-SRAEDMOKSVBLEIKYAEI 284
 118 GLGLPSRDYIL-NKTNENKVLTGNYVQGLKLGGAEDTRPQNCQILDFTETALANI 176
 285 MIPHENRTSEAM-WNMONTELSMAMIPODWLGYI-KKVIDTRLYPHLKDIPSENVVVR 343
 177 TIPQEKRRIEELLYHKVTAELQTLAPAINLPP---INTIFYP- VEINSESEPIVYD 230
 344 PQYFKDLFRILGSEERKKTIANLYLWMRQYMSRIPNLSSRFQYRWFESRVIQGT-TTLLPQ 402
 231 KEYLSKVSTLINTSDKCLLNYYINWLRKTSSFLQRFDQADEKEMVYMGTKTLLPR 290
 403 WDKCVNFIESALPYYVGKMFVFDVYFOEDKKEMMEVELYEGVVRWAFIGDAGTK 462
 291 WKFCSVTDTNTGLALGPMFVKATFAEDSNTAEEIDEIKAKFEESL-STLWMDDETR 349
 463 RKAEEKARAVLAKYYPEPTM-----NDTHVNEEDLKAIFKSEADYFGTVLQIRKYL 513
 350 KSAEKAADAIYNNIGYPNIMDPKELDKVFDNYTAVPDL-----YFENAMRF --- 396
 514 AQSDFFW----LRLKAKPKEWTFNPTVNAFASYASTNQIRPAGELQKPFWMGTBYPR 567
 397 --ENFSWRWTAQDQRKAPRDRDMSMTPKVNAYSPPTNEIIVPAGLQAPPYTRSS-PN 453
 568 SLSYGAIGVYVGHFETHEFDNNNRKDYKDNGLDPWWSTESEEKFKEKTKCMINQYSNYW 627
 454 ALNFGGIGVYVGHELTHAEDDQGRYEDKDGNLRPWWKNSVSEAFQQTACTMVEQGNY- 511
 628 KRAQALNVKGKRTLGENIANGGLRQGLEPINDRQGLEPINDRQGLEPINDRQGLEP 686
 512 SVNGEPVNGRHTLGENIADNGGLKAAKAYRAYQSMW--KNGKAEQ-TLPTLGLTNQLFFL 567

RESULT 14
 US-09-328-352-5182
 Sequence 5182, Application US/09328152
 Patent No. 6562258
 GENERAL INFORMATION:
 APPLICANT: Gary L. Breton et al.
 TITLE OF INVENTION: BACILLUS FOR DIAGNOSTICS AND THERAPEUTICS
 FILE REFERENCE: GTC9-03PA
 CURRENT FILING DATE: 1999-09-04
 NUMBER OF SEQ ID NOS: 9252
 SEQ ID NO: 5182
 LENGTH: 690
 TYPE: PRT
 ORGANISM: *Acinetobacter baumannii*

Query Match 20.0%; Score 790; DB 4; Length 690;
 Best Local Similarity 30.3%; Prod. No. 9.4e-69; Mismatches 132; Indels 70; Gaps 18;
 Matched 209; Conservative 209; Score 790; DB 4; Length 690;
 70 VNLSDPDCDNFFPACDWSNINNPPBDMPSYGVYPMRHYNDLKLRL--LEKSI SRR 127
 50 IDSSISERNDFYAHVNGI-WLKNTEIPADKANTGAFNQLR--ELSI SOVHGVIELSRK 106

128 --DTEAIGAKIYSSCNEKA-EKADKPLHILRHSFPRNPVLESNIGPGVWNERKF 185
 107 WAQGSLERKQKIAIYASPMDEKGIEKQGIIPLQAEI NQI-----DSLNKRKQI 153
 186 SLLQTLATFRGQYSNSVIRLYSPDDKASNEHILKLDQATISLAYREDYLDNSTEAKSY 245
 154 AVL-MAHPARTVNSP-IGLGEQDMKRSKTEMVAGLEQSGLGLPDRDYLXDDDKRIFIET 210

Qy 246 RDALYKFMVDDTAVLIGANSRAEHDMKSVLRLKIAEIMPH-BNRTSEAMYKNNISE 304
 Db 211 RAQYKLYKIEKTLSL-AEDSGAAQHAQEILKLETQLARIQNSVQNRLAKRNYKYLAD 268
 Qy 305 LSAMIPOFDWIGY----IKKVIDTRLYPHLKDIPSENVVVRPQYFQDOLFRILGSERK 359
 Db 269 IYKLTPAIDPQGSLTATELKSKIDT-----IQVNQDPYFQGILNTI1QNTPL 314
 Qy 360 KTMANYLWMRQYVSRIPNLSSRFQYRWFESALPYVV 418
 Db 315 DIWKA-FKLHL1NNF-PLLNSAFDVNRKFDYKNTKRDITDQEARNRKGQVQDVKYLGDGJ 374
 Qy 419 GKMFDVYFQDKEKEMMEELVEGVRWAFIDMLEKENEMADGTRKAKAKEKARAVLAKVGY 478
 Db 375 GLYVEKYFPEAKKQCMELLIVQNLRAY-POSITELDMMSPATKIQARKKLHMSMKIGY 433
 Qy 419 GKMFDVYFQDKEKEMMEELVEGVRWAFIDMLEKENEMADGTRKAKAKEKARAVLAKVGY 478
 Db 434 PK-----KWRDYSULHIAKNDLVGNITRAESEFRYQELNKLGPVDRDWEYMMRQPQTVN 486
 Qy 539 AFYASASTNQTRFPAGELQKPFWMGTBYPRSYGAIVGHEFTHGFDINNGRKYDNGN 598
 Db 487 AYNNPSLNEITPPAALQOPFF-NINADDAYWYGGIAGVIGHEISHGFDQDGSQFDELN 545
 Qy 599 LDPMWSTEESEKFKEKTKCM1NOQSYNNWYKAGLNVKGKRTLGENIADNGGLREAFRAYR 658
 Db 546 MRNWWNAEDDHFKAKTQALLEY-NRYEPPIAGTHVNGELTGLGENIADNSGLATAYKQ 604
 Qy 659 KWINDRQGLBEPPLPGITFTNNQFLSTAHVRCNSYREAAARQVQIGAHSPQFRVN 718
 Db 605 IALG---GKAPVIDG---QIGEQRQYMGQAVWRAKTRBAAQIYLKTDPHSPDKVRGN 658
 Qy 719 GATNSNSEEFKQAFN-----CPNNSTMN 740
 Db 659 GALMNQKPFYAFKINEDDQMLPPBKRVN 688

RESULT 15
 US-08-646-273-14
 Sequence 14, Application US/08646273
 Patent No. 6066502
 GENERAL INFORMATION:
 APPLICANT: Kroeger, Burkhard, Seulberger, Harald, Meyer, Thomas, Schmidt,
 APPLICANT: Jacob, Elard, Otter, Rainer, Subkowski, Thomas, Hillen, Heinz.
 TITLE OF INVENTION: Endothelin Converting Enzyme (ECE).
 NUMBER OF SEQUENCES: 36
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Keil & Weinkauf
 STREET: 11101 Connecticut Avenue
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20036
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Disquette, 3.5 inch, 1.4 Mb storage
 COMPUTER: IBM AT-compatible, 80486 processor
 OPERATING SYSTEM: MS-DOS version 6.0
 SOFTWARE: WordPerfect version 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/646,273
 FILING DATE: 16-Nov-1994
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: PCT/EP94/03706
 FILING DATE: 11-Nov-1994
 INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 189 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-646-273-14

Query Match	Best Local Similarity	Score	DB 3;	Length
Query Match	13.3%	Score 527.5 ;	DB 3 ;	Length 189 ;
Best Local Similarity	51.8%	Score 527.5 ;	DB 3 ;	Length 189 ;
Pred. No.	8.5e-44 ;	Score 527.5 ;	DB 3 ;	Length 189 ;
Matches 101;	Conservative	Score 527.5 ;	DB 3 ;	Length 189 ;
Matches 101;	Missmatches 32;	Score 527.5 ;	DB 3 ;	Length 189 ;
Matches 101;	Gaps 7;	Score 527.5 ;	DB 3 ;	Length 189 ;
Matches 101;	Indels 55;	Score 527.5 ;	DB 3 ;	Length 189 ;
555	LOXPFPWMSTEGPRSLSYGAIGIVGHEPTFHGDNNNGKRYDKNGNLDPMWSTSEEKFKEK	Score 527.5 ;	DB 3 ;	Length 189 ;
2	LOQPFYRSS - PNALNFGIGVYVGHEUTAHDQGRRYDKODNLRPWMSVSEAFQQ	Score 527.5 ;	DB 3 ;	Length 189 ;
615	TKCMINQSYNYWKAGIUNVKGRTRLGENIADNGGLRBAFAYRKWINDRQGLEPLLP	Score 527.5 ;	DB 3 ;	Length 189 ;
61	TACMVEQYGNY - SVNGEPVNGRHTLGENIADNGGLKAYRAYCNWV - KRNGAEQ-TLP	Score 527.5 ;	DB 3 ;	Length 189 ;
675	GIFTFTNOLFFSYAHVRCSNTSYPEAEEQVQIAGHSQQFRYNGAISEESEOKAFNCP	Score 527.5 ;	DB 3 ;	Length 189 ;
116	TLLTUNQNLFFLSQVWCSVRTFESSHEGLITDPHSFSRFRVIGSISNSKESEHFHCP	Score 527.5 ;	DB 3 ;	Length 189 ;
735	PNTMMNRGMDSCLW	Score 527.5 ;	DB 3 ;	Length 189 ;
176	PGSMN - PHHKCEVW	Score 527.5 ;	DB 3 ;	Length 189 ;

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 3, 2003, 07:21:37 ; Search time 497.375 Seconds

(without alignments)
280.074 Million cell updates/sec

Title: US-09-913-955a-1

Perfect score: 3958

Sequence: 1 MAETGSSVETGKKANRGTR.....AFNCPNSTMRGMDSCRILW 749

Scoring table: BLOSUM62

Gappen 10.0 , Gapext 0.5

Searched: 684280 seqs, 185983659 residues

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0.8

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA: *

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2: /cgn2_6/podata/1/pubpa/PCT_News_PUB.pep:*

3: /cgn2_6/podata/1/pubpa/US06_PUBCOMB.pep:*

4: /cgn2_6/podata/1/pubpa/US05_PUBCOMB.pep:*

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18: /cgn2_6/podata/1/pubpa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1352	34.2	753	12 US-10-147-928-6	Sequence 6, Appli
2	1333.5	33.7	779	12 US-10-147-928-4	Sequence 4, Appli
3	1332.5	33.7	779	10 US-09-905-846-2	Sequence 2, Appli
4	1332.5	33.7	779	15 US-10-017-23A-6	Sequence 6, Appli
5	1322.5	3.4	691	12 US-10-147-928-2	Sequence 2, Appli
6	1223	30.9	736	10 US-09-978-295A-526	Sequence 526, Appli
7	1223	30.9	736	10 US-09-978-697-226	Sequence 526, Appli
8	1223	30.9	736	10 US-09-978-19A-526	Sequence 526, Appli
9	1223	30.9	736	10 US-09-999-832A-526	Sequence 526, Appli
10	1223	30.9	736	11 US-09-978-189A-526	Sequence 526, Appli
11	1223	30.9	736	11 US-09-978-608A-526	Sequence 526, Appli
12	1223	30.9	736	11 US-09-978-585A-526	Sequence 526, Appli
13	1223	30.9	736	11 US-09-978-19A-526	Sequence 526, Appli
14	1223	30.9	736	11 US-09-978-403A-526	Sequence 526, Appli
15	1223	30.9	736	11 US-09-978-564A-526	Sequence 526, Appli

LENGTH: 753

TYPE: PRT

ORGANISM: Homo sapiens

US-10-147-928-6

SEQ ID NO 6

LENGTH: 753

TYPE: PRT

ORGANISM: Homo sapiens

US-10-147-928-6

SEQ ID NO 6

LENGTH: 753

TYPE: PRT

ORGANISM: Homo sapiens

US-10-147-928-6

SEQ ID NO 6

LENGTH: 753

TYPE: PRT

ORGANISM: Homo sapiens

US-10-147-928-6

SEQ ID NO 6

LENGTH: 753

TYPE: PRT

ORGANISM: Homo sapiens

US-10-147-928-6

SEQ ID NO 6

LENGTH: 753

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LENGTH: 753

TYPE: PRT

ORGANISM: Homo sapiens

US-10-147-928-6

SEQ ID NO 6

LENGTH: 753

TYPE: PRT

ORGANISM: Homo sapiens

137 SIFDVRLDELEVILKAVLENSTA - -KDRPAVEKARTLYRSCKMNOVSIEKRGSSQPLLDIL- 193
 162 HSPPFMPVLESNIGPEGVNSER - -KFSLLQTLATLFRGQYSNSYFIRLYVSPDKASNEH 218
 194 EVGCGMPVAMDR - - - - -WNETVGHELEQALMNSQFNRLQIDLFNNDQNSRRH 247
 219 LKLDQATSLAVREDYDLYNSTEAKSYRDLYKENVDTAVLL - -GANSRR - -AEHDMK 272
 248 IYIYDQPTLGMPSPREYYFNGGSNRK - VRAYLQPMVSATLREDANLPRDSCLVQEDMV 306

273 SVLREISIKAEMIPHENRTSE - AMYRNKNISIUSAM - -1PQFDWLGTYKVKIDTRLYPH 329
 307 QVLELETOLAKATVQQUEHHDVIAHYHNGLELOSGKGNWATLPTQTLSS - - - 361
 330 LK - DISPSENVVRVPRQYFKDLFRLGSRKTTIANLYLWRTMYSRPNLSRSPQRYRMLW 388
 362 VKİKLPLDEEVWVYGIPLQYLNENLIDTYSARTQNYLWRLDRLSLSQFQDFTRVN 421
 389 FSRVIQGTTTLLPOWDKCNFIESALPYVYGGMFDVYFQEDKEMMELVEGVRAWFID 448
 422 YRKALFGTMWVEVRMRECGVYNSNMENAVGSLVREAPGDSKSMVRBLIDKVRVTFVE 481

449 MLEKENENMDAGTTRKAKKARAVLAKVSYPEFMNDTH - -VNEIDLKAIKFSSADYFENW 506
 482 TLD - ELMGMDDESKKAQEAMSRQIGHPDYILEEKNRRLDEYSNINFSDLYFENS 540
 507 LQTRKYLQAQSDFEWIRKAVPKTEWFTNPTVNAFYSASTNQIRPAGELQKPPFWGTEYP 566
 541 LQNLKVGAOSRSLRKLERKVDPDLWITIGAAVNAFYSPRNQITFPAGLQOPPF - SKEQP 599
 567 RSLSYGAIGIVIGHEFTHGFDNNNGRKYDGNGNDLPWNSTESEKPKEKTKCMINQYSNYY 626
 600 QALNFGGGMVIGHITHGFDNNGRNFDCGNNMDWNSNSTQHFREREQSECMLYQGNYG 659

627 WKAS - LAVKGKRLGENIADNGGIREAFLRAYKWINDRQGJBEPLPGITTTNNQOFF 685
 660 WDLADEQNYNGFTLGENIADNGGVRQAYKAYKWM - -AEGGKDQDQPLGIDLTHEQLFF 716

686 LSYAHVRCSNSYRPEAAEQVQIGAHSPPQFRVNGAISNSEERKAFCNPBPNSTMNRGMD 745
 717 INYAQWCGSSYRPEFAIQSITKDVHSPLKVRVJGLSLQNLAAFTDTHCARGFMH - EKER 775

746 CRLW 749
 776 CRLW 779

RESULT 4
 US-10-017-273A-6
 Sequence 6 Application US/10017273A
 Publication No. US20030119714A1
 GENERAL INFORMATION:
 APPLICANT: Pfizer Inc.
 APPLICANT: Naylor, Alasdair M.
 APPLICANT: Van Der Graaf, Pieter H.
 APPLICANT: Wayman, Christopher P.
 TITLE OF INVENTION: Treatment of Male Sexual Dysfunction
 FILE NUMBER: PC22013
 CURRENT APPLICATION NUMBER: US/10/017,273A
 CURRENT FILING DATE: 2001-12-12
 PRIOR APPLICATION NUMBER: US 60/265,358
 PRIOR FILING DATE: 2001-01-31
 PRIOR APPLICATION NUMBER: GB 0030647.2
 PRIOR FILING DATE: 2000-12-15
 PRIOR APPLICATION NUMBER: GB 0108730.3
 PRIOR FILING DATE: 2001-04-06
 PRIOR APPLICATION NUMBER: GB 0120679.6
 PRIOR FILING DATE: 2001-08-24
 PRIOR APPLICATION NUMBER: US 09/905,846
 PRIOR FILING DATE: 2001-07-13
 PRIOR APPLICATION NUMBER: US 60/291,722
 PRIOR FILING DATE: 2001-05-17
 PRIOR APPLICATION NUMBER: US 09/895,367

PRIOR FILING DATE: 2001-06-29
 NUMBER OF SEQ ID NO: 6
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO: 6
 LENGTH: 779
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-017-273A-6

Query Match 33.7%; Score 1332.5; DB 115; Length 779;
 Best Local Similarity 39.2%; Pred. No. 74e-116;
 Matches 284; Conservative 145; Mismatches 258; Index 37; Gaps 17;
 Matches 284; Conservative 145; Mismatches 258; Index 37; Gaps 17;

Qy 42 QGGLSLOAKQBYCLKPECIEAAALSKVNLISVDPDCDNFRFACDGWISNNPIPEDMPSTY 101
 Db 77 RQIPEAEVSECTTFCQCVIAARIQMDPTEPDDFYFACGWLWRLRHPENNSR 136
 Qy 102 GYPPWLHNVNDLKLKELLEKTSISRRDTEA1QAKATLYSSCMNEKAIEKADAKPLHLIR 161
 Db 137 SIFDVRLDELEVILKAVLENSTA --KDRPAVEKARTLYRSCKMNSVIEKRSQPLDIL- 193
 Qy 162 HSFERWVLESNIGPEGWSE --KESL1QLTATPERQYSNSVUFIRLYSPDDKASNEH 218
 Db 194 EVVGGWVAMDR - - - - -WNETVGLEWELBQLALMNSQFRRVRLDFFNDDQNSRRH 247
 Qy 219 ILKLDQATLSLAVREDYLDNSSTEAKYDALKEMDFTAVLL - -GANSRR - -AEHDMK 272
 Db 248 IYIYDQPLGMPSPREYNGSNSRK - VREAYLQFQWMSVATLREDANLPRDSCLVQEDMV 306
 Qy 273 SVRLERKIAEIMIPHNRTE - AMYRNKNISIUSAM - -1PQFDWLGYIKVKTIDTLYPH 329
 Db 307 QVLELETQLAKATVQQUEHHDVIAHYHNGLELOSGKGNWATLPTQTLSS - - - 361
 Qy 330 LK - DISSENVYVVRVPOYFOLFLRUGSERKTTANYLWVRYMVSIRNLSRRFQYRWLE 388
 Db 362 VKİKLPLDEEVWVYGIPLQYLNENLIDTYSARTQNYLWRLDRLSLSQFQDFTRVN 421
 Qy 389 FSRVIQGTTTLPQWDKCNFIESALPYVYGGMFDVYFQEDKEMMELVEGVRAWFID 448
 Db 422 YRKALFGTMWVEVRMRECGVYNSNMENAVGSLVREAPGDSKSMVRBLIDKVRVTFVE 481
 Qy 449 MLEKENENMDAGTTRKAKKARAVLAKVSYPEFMNDTH - -VNEIDLKAIKFSEADYFGNV 506
 Db 482 TLD - ELMGMDDESKKAQEAMSRQIGHPDYILEEKNRRLDEYSNINFSDLYFENS 540
 Qy 507 LQTRKYLQAQSDFEWIRKAVPKTEWFTNPTVNAFYSASTNQIRPAGELQKPPFWGTEYP 566
 Db 541 LQNLKVGAOSRSLRKLERKVDPDLWITIGAAVNAFYSPRNQITFPAGLQOPPF - SKEQP 599
 Qy 567 RSLSYGAIGIVIGHEFTHGFDNNNGRKYDGNGNDLPWNSTESEKPKEKTKCMINQYSNYY 626
 Db 600 QALNFGGGMVIGHITHGFDNNGRNFDCGNNMDWNSNSTQHFREREQSECMLYQGNYG 659

Qy 627 WKKG - LNVKGKRLGENIADNGGIREAFLRAYKWINDRQGJBEPLPGITTTNNQOFF 685
 Db 660 WDLADEQNYNGFTLGENIADNGGVRQAYKAYKWM - -AEGGKDQDQPLGIDLTHEQLFF 716
 Qy 686 LSYAHVRCSNSYRPEAAEQVQIGAHSPPQFRVNGAISNSEERKAFCNPBPNSTMNRGMD 745
 Db 717 INYAQWCGSSYRPEFAIQSITKDVHSPLKVRVJGLSLQNLAAFTDTHCARGFMH - EKER 775
 Qy 746 CRLW 749
 Db 776 CRLW 779

RESULT 5
 US-10-147-928-2
 Sequence 2 Application US/10147928
 Publication No. US20030180877A1
 GENERAL INFORMATION:
 APPLICANT: SOLVAY PHARMACEUTICALS B.V.
 TITLE OF INVENTION: No. US20030180877A1 Human Enzymes of the Metalloprotease Family

FILE REFERENCE: SPW 99,09 / H 99,26-WO
 CURRENT APPLICATION NUMBER: US/10/147,928
 CURRENT FILING DATE: 2002-05-20
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 2
 LENGTH: 691
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-147-928-2

Query Match 33.4%; Score 1322.5; DB 112; Length 691;
 Best Local Similarity 39.5%; Prid. No. 5.3e-115;
 Matches 281; Conservative 143; Mismatches 251; Indels 37; Gaps 17;

Qy 54 CLKPCIEANANILSKVNLISVDPDCDNFERACDGWISNNIDPMDSYGCPWLRHNUVL 113
 Db 1 CTPGCVIAARILQDNDPTPECDDFYQFACGGWLRHYPETNSRYSFDVDRDELEV 60
 Qy 114 KKELEKSISSRRDEAICKAKILYSSCCKNEAKAKEADAKPLHLRHSPPRPPVLESN 173
 Db 61 IIAKVENSTA-KDRPAVEKARTYRSCKNQSVTEKRGSPQPLDIL-EVVGCPVAMSR 117
 Qy 174 IPEGYWSEK--KFESILQTLATFREQQNSVFLRYSPDDRASNEHILRLDORTSIA 230
 Db 118 ---WNETVGLEWELERQCLALMNSQENRVLIDFLIWNDDQNSRRIIYDQPTLGMP 171
 Qy 231 VREDYLDNSTEAKSYRDALYKPMVDTAVLL-GANSSR---AEHDMSKSVLRLEKIAEI 284
 Db 172 SREYYINGGSNRK-VREAYLOFMVSYATLRLRDANLPRDSCLVQDDMMQVLELETQAKA 230
 Qy 285 MIPHENTSE, AMYNOXINISLSAM--IPOFDWLGYIYKVIDTRLYPHLK-DISPSENVY 340
 Db 231 TVPQEERHDVITALYHANGLEEIQSQFGLKGENWLTQTVLSS----VRIKLUOPDEEVV 285
 Qy 341 VRVPOYFKEFDLFLRIGSERKKTIAINYLWRRMWSRPNLSSRFQYRFLWESRVIQGTTLL 400
 Db 286 VYGIPLQNLEMNIDYDYSARTQNYLWRLVLDRLGSLSRDPRTRVNRKALGTGMVEB 345
 Qy 401 PWDKCVNFIESALPVYVGKMFVDFYFQEDKEMMEELVEGRVMAFIDMLEXENBWMAG 460
 Db 346 VRWRECVGYNSNMENAVGSYLVREAPGDKSMYRELIQKRTVVFETUD-ELGWMDFE 404
 Qy 461 TTKRKAKEKARAWLAKYGYPEFIMNDTH--VNEIDLKAIKEFSEADYFGNVLQTRKYLQASDF 518
 Db 405 SKKKAQEKAMIREOLQHPDYLIEENNRRLDDEYESNLNFSEDFYFENSQNLKYGAQSL 464
 Qy 519 FWLRAKVPKTEWFINPNTVNAFYSASTNQRPAEQLXKFQFGTEYPERSLSYGAIGTV 578
 Db 465 RKLREKVDPNLWIIGAIAVNAFSPRNQIVPAGLQPFPE-SKEQPQALNFGIGMYI 523
 Qy 579 GHEFTHGFDNNQRKYDKNQNLDPWSTESEEBKTFKCMINQSYNNYWKAG-LNVKCK 637
 Db 524 GHEITHGFDNGRNPKNGNMWDNSFQHFRQSECMIYQGNYNSYDQLEQVNGF 583
 Qy 638 RTLGENTADNGGLREAFLRAYKWINDRQGLEEPFLPGITFTNNOLFLFSLSYAHVRCSYR 697
 Db 584 NTLGENTADNGGVRQAYKAVLKM--AEGGDQDQPLGQDULTHBOLFFTINYAQWCGSYR 640
 Qy 698 PEAAEQVQGAAHSPPQFRYNGAISNSEEFQAKAFICPNSMNGMDSRILW 749
 Db 641 PEFAIOSIKTDVHSPLKVRVLGSLNLAFAADTFCARGTPMH-PKERCRRW 691

RESULT 6

US-09-978-295A-526
 Sequence: 526; Application US/09978295A
 Patent No.: US2002156006A1
 GENERAL INFORMATION:
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Baker, Kevin P.
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan
 APPLICANT: Ferrara, Napoleon
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Andrew
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, J. Christopher
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Kjavin, Ivar J.
 APPLICANT: Kuo, Sophia S.
 APPLICANT: Napier, Mary A.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas P.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Shalton, David L.
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ACIDS Encoding the Same
 FILE REFERENCE: P2330P1C1
 CURRENT APPLICATION NUMBER: US/09/978-295A
 CURRENT FILING DATE: 2001-10-15
 PRIOR APPLICATION NUMBER: US/09/918985
 PRIOR FILING DATE: 2001-07-30
 PRIOR APPLICATION NUMBER: 60/062250
 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/064249
 PRIOR FILING DATE: 1997-11-03
 PRIOR APPLICATION NUMBER: 60/065311
 PRIOR FILING DATE: 1997-11-13
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 PRIOR APPLICATION NUMBER: 60/077332
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PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR FILING DATE: 1998-04-29

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Query Match 3.0.9%; Score 1223; DB 10; Length 736;
Best Local Similarity 35.2%; Pred. No. 1.e-105;
Matches 267; Conservative 145; Mismatches 307; Indels 40

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Qy 56 KPECIEAAATLSKVNLSDVPCDNFRFACDGTSNNNPIPEDMSYGVYFWL
Db 67 TACACIRVAGKILLESLDREGVSPCDDFYQFSCGGNIRRNPLPDGRSRWNTNSL

Qy 116 KELLEKTSISRDRDEAQAKAIIYSSCMEKAIEKADAKPLLILRHSPPRW
Db 127 KHLLENT-TFNSSEAEQKTORYLSCLQVEREELGAQPLRDUJ-----.

Qy 176 P--EGWWSERKFSLLQLTATFFGQYSNSVFIRLYSPDDKASNBHLKUDQ
Db 175 GRNITGEWDDNE--MEVLKAVGTYRATPFFTVYISADSKSSNSNVIQVDQ

Qy 233 EDYLDNSTEAKSYRDALYKEMVDTAVLIGANSRAEHDMKSVRLREKIAEII
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Matches	267;	Mismatches 307;			
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Db	67	TBACIRYAGKILESLDRGVSPCSDFYQFSCGGNIRRNPALPDRGRWNTEFLSL			
Qy	116	KELULEKSISRRDDETAIQRKAKIYSSCHNEKAIIERKADAKPLHILIRHSPPFRW			
Db	127	KHLLLENT-TENSSESEAETKORYYLSCLOVERFLYELBGAOPRLDLI-----			
Qy	176	P--EGYWSEERKESLILQLATFPGQYSNSVTFIRLYVSPDKASNBHILKLDQ			
Db	175	GRNITGPGWDQDNF--MEVILKA/PGTYRATPFFTYIISADSKSSNSNVIQVDQ			
Qy	233	EDYLDNSTEAKSYRDALYKEMVYDATTVLGANSRAEHDMKSVRLERIKIAEIN			
Db	233	DYXL-NRTANERKVLTAYLDYMEELGMLLGGRP*STREOMQVQLEIQLANI			

292 DEEKYHAKMSISQALAPSMDWLEFLSFULLSP-----LELDSEPVVYGMYDYLQOVS 345
 352 RILSERKTTIANLYWMMVYSRPNLSRFRQWLFERSVIGT-TTLLPONDCKYUNFI 410
 346 ELINRTEPSLNNYIUNNIVQKTTSSLDERFEASQEKLLETGTTKXSCVPRHQTCISNT 405
 411 ESALPYVVKMFDVYFQEDKKEEMEELVEGVRMFAIDMILEXENMDAGTKERKAKEKAR 470
 406 DDALGFALGSLFVKATFDRSKETAEGMSEIRTAFFEEAR-GOLYWMDEKTRAAKERAD 464
 471 AVLARYGVPEFIMNDTHVNEDLKAIFSEADYFVNVLQTRKYLQASDFFMLRKAVENT 530
 465 AYDMDIGFPDFILEPKELDDVQGYDBEISDFQMNLYNFSKVMADQLRCPSPRQW 524
 531 FNTPTIVNAFYSASTNQIRPAGELQKPFWGEPRSLSYGAFLGIVNGHEFTGFDNG 590
 525 SMTPTQVNAAYLPTKNEIVPAGILOAPPY-ARHNPKALNFGGIVNGHELTAFDDQG 583
 591 RKYDKGNLDEPWWSSEEEFKKTRCMINQSYNLYWKAAGLNVKGRKTGLENTADNGSL 650
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 651 REAFRAYRNINDRQGGEPLPQITFTNQNLFFSYAHVRVNCNSYRPEAEEQVQIGAH 710
 642 KAYINAYKAWI--RKHG-EEQOLPQAVLTHQLFFVGAQWCSVRTPESSHGLVTDPH 638
 711 SPQQFVNGAISNSEEFQAKFCNPNSTMNRGMDSQRLW 749
 Db 699 SPARFRVLGTLSNSRDFLRFCCPVGSPPNPG-QLCEVW 736

RESULT 7

US-09-978-697-526
 Sequence 526 Application US/09978697
 Patent No. US/002016284A1
 GENERAL INFORMATION:
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Baker, Kevin P.
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Eaton, Dan
 APPLICANT: Ferrara, Napoleon
 APPLICANT: Filvaroff, Eileen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
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 APPLICANT: Roy, Margaret Ann
 APPLICANT: Shelton, David L.
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.
 TITLE OF INVENTION: Secreted and transmembrane Polypeptides and Nucleic
 ACIDS
 TITLE OF INVENTION: Acids Encoding the Same

FILE REFERENCE: P2630PC27
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 Db 127 KHELLENT-TFNSSSEAEQKTOFRYLSCLQVERIEELGAOPRDLI ----- EKIG 174
 Qy 176 P--EGWWSERKFSLSLOTLATFRQYSNSVFLRLYSPDASNEHILKLDATSLSLAVR 232
 Db 175 GWNITGEWDQDNF--MEVKAVAGTYRATPFFTYV1SADSSSSNSNVIQVYDQSGLFLPSR 232
 Qy 233 EYLDNSTEAKSYRDALYKEMVDTAVLGANSRAHDMSVSLREIKAIEIMIPH-ENR 291
 Db 233 DYYL-NRTANEKVLTAYLDYMEELGMLLGGRPTSTREQMQQVLEBQLANITYPDQCR 291
 Qy 292 TSEAMNTGKSEASLANTQFQDWLGTIKKVIDTTRLYPHD1DISPSNWWVVRPQYFKDIF 351
 Db 292 DEEKIYKMSISBLQALAPSMWDLFELFSLSP-----LFLSDSEPVVYGMDDYLIQVS 345
 Qy 352 RIGSERKKTIANLYVWMTYSSRIPNLSRFRYRNLEFSRVIQGT-TTLI.PQWDKCVNF1 410
 Db 346 ELINRTETSILNNYLWNVORTTSSDRRFSISAQBLLETLTYGTEKSCYPRWQTCISNT 405
 Qy 411 ESALPYVYGMFVYDYYFOEDKEMMELBVEGVRAWFIDMLEKENEMMDAGTKRAKEKAR 470
 Db 406 DDALGFALGSLEFKVATDFDREKAGMISIIRTAFKEAL-GOLYVMDKETRQAKEKAD 464
 Qy 471 AVLAKGYPEFIMNDTHVNEDLKAKRFSADAYFGNVLQTRKYLASDFFWLRKAVPKTN 530
 Db 465 AYDGMGFDPDFILEPKELDYYDGVEISSEFFONNLNLNFSAKWMDQLRKPPSDON 524
 Qy 531 FNPPTVNAFTSASTNQIRPAGELOXPKFWGTEYRSLSGAIGVYVGHFTHGFDNNNG 590
 Db 525 SMTPOTVNAVYLPTTRNEIVFAGLIDAPY-ARNPKALNFGGIGVYMGBEUTHADDDQ 583
 Qy 591 RYDKGNGNLDPWSTSESEEKEPEKTKCMINQYSNTYWKAGLNVGKRTLGENIADNGGL 650
 Db 584 REYDKEENLRPWWQNSLAAPRNHTACMEQYNYQ--QVNGERLNGRQTIGENITDNGGL 641
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 Db 642 KAYNAKAWL--RKHG-EBQOLPAQGLTHEQOLFFVGPAOWCSVRTPESSHEGLYTDPH 698
 Qy 711 SPPQFRVNGAISNSEEFOKARNCPNPSTMNGMDSCRW 749
 Db 699 SPARFRVGTISNSRFRLRFQGCPVGSPPMPG-QLCEWW 736

RESULT 8

US -09-978-192A-526

; Sequence 526, Application US/09978192A

; Patent No. US00200217755A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Baker Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan

; APPLICANT: Ferrara, Napoleon

; APPLICANT: Filvaroff, Eileen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerslisen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Guiney, Austin L.

; APPLICANT: Hiltan, Kenneth J.

; APPLICANT: Hliajan, Ivar J.

; APPLICANT: Kuo, Sophia S.

; APPLICANT: Napier, Mary A.

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; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Purney, Austin L.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Shelton, David L.

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, F. Mickey

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acid Encoding the Same

; FILE REFERENCE: P2630PC9

; CURRENT APPLICATION NUMBER: US/09/978,192A

; CURRENT FILING DATE: 2001-10-15

; PRIOR APPLICATION NUMBER: 09/918,985

; PRIOR FILING DATE: 2001-07-30

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; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 30.9%; Score 1223; DB 10; Length 736;
Best Local Similarity 35.2%; Prid: No. 1.3.e-105; Mismatches 307; Indels 40; Gaps 18;
Matches 267; Conservative 145;

2 EATGSSV-ETGKKANGTRIAL-VVFGGTLVLTGLE-LVSGI-LSIQAKQEYCL 55
7 ELGAGSNVGFGKGTROLGSRTQELVLAGSILAAILGCVLAVQHRSHTSCL 66
56 KPEBIEAAILSVNLSDPCNFRAZDGISNNIPDPSYVPMRHNVDKL 115
67 TEACIRVACKILESDRGVSPCDDFYQSCGMIRRPLDGRSRNTENSILWDQNQAIL 126
116 KEDLEKSLSRRDEIAQAKILYSSCMNEKATEADAKPLHILRHSPPRWPVLESNIG 175
127 KHLLENT-TENNSSEADEQTKTORYLSCQVEREELGAQPLRDLI-----EKIG 174

Qy 176 P---EGWSEERKFSLLQTLATFRGQVSNSVIRLYSPDDKASNEHILKLDQATLSLAVR 232
Db 175 GWNITGEWDDNF--NEVILKAVAGTYRATPFETYVISADSKSSNSNVICQDGSGLFLPSR 232
Qy 233 EDYLDNSTEAKSYRDALYKFNVDAYLGANNSRAEHDMSVRLBEIKIAIMIPH-ENR 291
Db 233 DYYL-NRTANEKVLAYLDMEELGMJLGRPTSTREQMOWLEIOLANITYPQDQR 291
Qy 292 TSEAMYNNKMNISELSAMAPIQDWLGYIKYIDTRLYPHKDIDSPSENVVRPOYFKDLF 351
Db 292 DEEKITHMMSLSELQAAAPSMWLEPLSFJLSP-----LSDSPVWVYGMVDLQVVS 345
Qy 352 RILGSEERKKTIANLYWMMYTSRIPULSRFQYRNLEFSRVIQGT-TTLLPQWDICVNF1 410
Db 346 ELINRTEPSILNNYLNWOKTISLDRREFESAQKLLETLYGTRKSCYPRWOTCISNT 405
Qy 411 ESALPYVGRKOFVUDYFOBDEKMMEEELVEGRVRAFIDMULEKENWMDAGTKRKEKEKAR 470
Db 406 DDALGFALGSLETKATEFDRQEKEAQMISIRTAPEEA-GQLYWMDEXTROAKEKAD 464
Qy 471 AVLAKVGYPEFIMNDTHVNEDLKAIFKSEADFGNTVLOTRKYLADSDFMLRKAVPKTEW 530
Db 465 AIYDMIGFPDFILEPKELDODYDG1EISESDFFQNMNLNNSAKWMDQLRKPPSDQW 524
Qy 531 FTNPNTVNAFTSASTNQIRPAGEQKPPFTWGEYPRSLSGAIGVGVIEFHGFDNNNG 590
Db 525 SMTPQTVNAYLPTXNEIVTPAGLQAFY-ARNEHPKALNFGGIVVMGELTHAEDQG 583
Qy 591 RKYDKNGNLDPWSTSEEKEKTKCMINQNSNTYWKAGLNVGKRTGENIAANGGL 650
Db 584 REYDEKGNLRPWQNESLAAPRNHTACMEQINQY-QVNGERLNGRQTGENITDNGGL 641
Qy 651 REAFRAYRKWINDRROGLEBPLPGITFTNQNLFFLSYAHVRCNSYRPEAREQVQIGAH 710
Db 642 KAAYNQKAWL--RKHG-EBQOLPAVLGTHNQLFVGFAWCSVRTPESSHEGLVTDPH 698
Qy 711 SPPQFRVNGAISNSEEFKAFNCNPNTMRNGMDSCRW 749
Db 699 SPARFRVLTUSNSRDFLRHFGCPVGSPPMNPQ-QLCEWV 736

RESULT 9
US-09-999-832A-526
; Sequence 526, Application US/09999832A
; Publication No. US20020192706A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillian, Kenneth J.
; APPLICANT: Kliavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothe A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleotides
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P163
CURRENT APPLICATION NUMBER: US/09/999,832A
CURRENT FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/18585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
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 PRIOR APPLICATION NUMBER: 60/082796
 PRIOR FILING DATE: 1998-04-23

Query Match: 30.9%; Score: 1223; DB: 11; Length: 736;
 Best Local Similarity: 35.2%; Pred. No: 1.3e-10; Gaps: 18;
 Matches: 267; Conservative: 145; Mismatches: 307; Indels: 40;
 2 EAETSSV--ETGKANRTRIAL-VVFUGTLYUGTILF--LYSQGL-LSLOAKQEVCL 55
 7 ELGASSNVQOKGTRQLGSRTOLEVLGAGLILAAUALLGCLVALGVQYHRDDESHSTCL 66

Qy
Db

56	KPBCEAAAILSKVNLSDVPCDNFFRACDGWSNNPIPDMPSGYVPMWLRHNVDLKL	115
67	TEACIRVAGKILESDRGVSPEEDYFQSCSGWIRNPLPGRSRNTENSWLWDQNAIL	126
116	KELLEKSISRRDTEAQKAKILYSSCMMNEKAIEKADAKPLHILRHSPRWPVLESNIG	175
127	XHILENT-TFNSSSEAQKTBFLSOLQVRIEELGAQPRDLI-----EKIG	174
176	P---EGYWSERFKSLLQTLATFRGQYSNSVFLRLYSPDDKASNEHILKLDQATLSLAVR	232
175	GWNITGPWDQDNF---MEVILKAVGTYTRATPFTTVYTSADSKVQVQVIVQDQSGFLPSR	232
233	EDYLDNSTEAKSYRDALYKEMVDTAYLGANSRAEDMKSVLRLREIKIAIMIDH-ENR	291
233	DIYL---NRTANEKVLTAYLDYMBELGMGLGPRSTREMQVYLEIQLANITYVQDQRR	291
292	TSEAMYMKANISELSAMAPIQFWMLGTYKKVTDTRLYPHLDISPESEVNVYRVPQFKDLF	351
292	DEEKVYKHMKSISELQALAPSMWLEFLSFULLSP-----LELSDSEPVVVYGMDLQQVS	345
352	RILGSEPKKTTANYLWRMYYSRIPNLSRRFQYRWBESRVIQGT-TTLLPQWDTCVNFI	410
346	ELINRTPEPSILNNYL1MLNQVKTTSLLDRRFEASAQLLELYGKKSVCYPRWQTCISNT	405
411	BSALPYVVGKMFVDDYVFOEDRKEMMBELVGEVRWAFIDMLKEKENWMDAGTKRKAKERK	470
406	DDALGFLAGLSLTVKATFDRSQESEAAGMISEIRTAAPEEAL-GQLWMDKETRQAAKERAD	464
471	AVLAKVGYTYPEFIMNDTHVNEDLKAIKFSEADYFGNVLQTRKYLQASDFEWFLRKWPKTEW	530
465	AIYDMGFPDFILEPKELDDYDGYIISEDSFQMLNLNFNSAKYMDOLRKPPSRDQW	524
531	FTNPNTVNAFYASASTNQIRPAGEDLOKPFENGTEYPRSLSYGAIQIVGHEPFTHGFDNG	590
525	SMTQPVNAYLPTKNEIVPAGILQAPPY-ARNHKALNFGGICVGMGELTHAEDDQG	583
591	RKYDKGNLNDPMSWTSSEEKKEKTCMIMQYSNNYWWKAGLNVNGKRTGENIAADNGGL	650
584	REYDFGPNLRYWNONWESLAARNHNTACMEEDYNNQ---QYNGERLNGRQTLGENITDNGGL	641
651	REAFDARYRKWINDRQGLEBLPLPGITFTNNQLFLPSYAHVRVNCNSYRPEAEEQVQGAH	710
642	KAAYNAYKAWL---RKG---EEQQLPAVGTLHQLFLPGFQAQWCSVTPESSHEGIVTDBH	698
711	SPPQFRVNGAISNSEEFQKAFCNCPNSTNMNRMDSCLRW	749
699	SPARFRVLTGTLNSRDFLRHFGCPGSPMNPG-QLCEVW	736

; APPLICANT: Napier, Mary A.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Shelton, David L.
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel P.
 ; APPLICANT: Wood, William J.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; ACIDS Encoding the Same
 ; FILE REFERENCE: P26301PC22
 ; CURRENT APPLICATION NUMBER: US/09/978,608A
 ; CURRENT FILING DATE: 2001-10-16
 ; NUMBER OF SEQ ID NOS: 624
 ; Prior Application removed - See File Wrapper or Palm
 ; SEQ ID NO: 526
 ; LENGTH: 736
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-978-608A-526

Query Match 30.9%; Score 1223; DB 11; Length 736;
 Best Local Similarity 35.2%; Bred. No. 1.3e-105; Gaps
 Matches 267; Conservative 145; Mismatches 307; Indels -40; Gaps

Qy	2 EAEETGSSV--ETGKRRKANGITIAL--VVFVGCGTIVGTTLP--LVSQGL--LSLQAKQEYCL
Db	7 ELGAGSNVGFQKGTRQLGSQTOLELVLAGSLLAALIGCLVALGVQYHRDPSSHSTCL
Qy	56 KPCIECAAAATLSKNSVDCDNFRFACGGWSNNPPEMDMPYGYYPFWLRHNVDLKL
Db	67 TEACIRVAGKYLESLORGVSCTEDFYQFSCGGWTRRNPLDGRSWNTNLSLWQNQAI
Qy	116 KELLEKSEISRDRTEAIQKAKILYSSCMNEKAIEKADAKPLHLIRHSFPRWPYLESNIG
Db	127 KHLLENT-TFNSSEAEQKTRFRYLSCLQVERBIEGLAQPLRDII-----EKIG
Qy	176 P--EGWVSEBKEPSLQLQTLATFRGQYSNSVFLRYXSPDKASNEHILKLDQATLSLAV
Db	175 GWNITGEWQDQNF--MEVLKXAVAGTYRATPFTVYIISADSKSSNSNVQDOSGILFLPSR
Qy	233 EDYLIDSTEASYRDALKYNDVDTAVLPGANSRAEHDIKSVRLAEIKIAEIMPH--EVR
Db	233 DYFL-IRTANEKVLTAYDIDYMEELGMLIGRPTSTREQMQVLEIQLANITYPQDQRR
Qy	292 TSEAMYMNKMNISELSAMIPDFDWLGYIKKVYDTRLYPHLKDIDSPSENYYVVRPVQYFKDLF
Db	292 DEEKIHRMSISELQALAPSMWLFSLFSLSP-----LELSOSEPVVYGMQYLQQVS
Qy	352 RILGSEERKTTIANYLWRMVYTSRPNLSSRFQYRWFESRVIQGT-TTLPQNDKCVNFI
Db	346 EJINRTEPSIINNNYIUNLQKTTTSSDLRFEASQEKJLETLYTKSKCPYRNCOTISNT
Qy	411 ESSALPYVNGMFDVYFQEDKEMSEBLLVEGVRAFIDMILEKERNEMWDGTRKAKAKEKAR
Db	406 DDALGALPSLFVKAFTDRQSKELAEGMISEIRTAPEEAL-GQLVWMDKTRQAAKEAD
Qy	471 AYLAKYGPETIMNDPHVNEDLKAATKFSSEADYFGRVLQPRKYLQASDSEFWLRAVKPKTEW
Db	465 RIVDYGEPBFLERKELDWDYGEYIISDSEFFOMNLNYSRKMADQLRPPSPRSQW
Qy	531 ETNPNTTVNAYFASATNQIRPAPAGEIQKQPFWMGTBYPRLSYGATGIVYGEFHGFEDNNG
Db	525 SMTFQTNVNAYLPLKNEIVFPGAGLQLQAPPY--ARNHPKAINFGGIVGNGHELTHAEDDQG
Qy	591 RKYDQKGNLJPPWWSTSEEKFKEETKCMINQSNYYWKKAGLNYKGKBTIGENIADNGQ
Db	584 REYDEGRNRPWWQNESSLAAPRNTTACMEEQYNY--QVNGERBLNGRQTLGENITDNGL
Qy	651 REAFRAYRKWINDRNRQGLEPPLGITFTNNQFLFSLKAYHTRNSYRPEAREQVQICAH
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RESULT 13
US-09-978-191A-526
; Sequence 526, Application US/09978191
; Publication No. US20030050239A1
; GENERAL INFORMATION
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
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; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shilton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Trans
; TITLE OF INVENTION: Acids Encoding
; FILE REFERENCE: P2230P1C4
; CURRENT APPLICATION NUMBER: US/09/978191
; CURRENT FILING DATE: 2001-10-15
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 PRIOR FILING DATE: 1998-03-27
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 PRIOR APPLICATION NUMBER: 60/081195
 PRIOR FILING DATE: 1998-04-08
 PRIOR APPLICATION NUMBER: 60/081203
 PRIOR FILING DATE: 1998-04-09

PRIOR FILING DATE: 1998-05-13
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 PRIOR APPLICATION NUMBER: 60/08582
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 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085580
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085573
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085504
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085697

Query Match 30.9% Score 1223; DB 11; Length 736;
 Best Local Similarity 35.2% Pred. No. 1.3e-05; Mismatches 307; Indels 40; Gaps 18;
 Matches 267; Conservative 145; Mismatches 307; Indels 40; Gaps 18;

Qy 2 EAGTGSV--ETGKANGRTRAL-WVFGTGLVLTGFL--LVSGL-LSLQAKOBYCL 55
 Db 7 ELGAGSNGVFGQTGTRQLGSRQLEVLAGASILLALLGCLVALGVQYHRDPSSHSTCL 66
 Qy 56 KPECIEAAAILSKVNLISVDPDNFFERACDGWISNNPIPBMPSYGVPMRHNNDLKL 115
 Db 67 TEACIRYAGKILESLDRGVSPECDFYQESCGGWIRNPLDGRSRNNTNSLWDQNQAIL 126
 Qy 116 KELLEKTSISRRDTEAOKAKLYSSCMNEKAIEKADAKPLHLRHSPPRWPLENSIG 175
 Db 127 KHLENT-TFNSSSEABXKTOFYLCLQVERIEELGAQPLDLDI-----EKIG 174

Qy 176 P---EGVMSERKSSLLQTLATFQGQNSVFRYLYSPDDKASNEHTILKUDQATLSSLAVR 232
 Db 175 GNNITGPIDQDNF--MEVLYKAAGTYRATPFPTVYISADSKSNSNSNVIQVQSGLELPSR 232

Db 233 EDYLDNSTEAKSYRDALYKEMVDTAVLIGANSSRAEDHDKSYVURLETKIAELMIPH-ENR 291
 Qy 233 DYL-NR7ANEKVLTAYDYMELGMGLGGPRTSTREMQOYQLELQLANTVPODQRR 291
 Db 292 TSEAMYXKNNISELSAM1PQFDWLGYIKKVIDTRFLHLDISPSENVVYVPOYFKDFL 351
 Qy 292 DEEKYHMSISELQALAPSMQMLEFLPSLSP-----LELSDSEBVVYGMQDYLQQVS 345
 Db 352 RILGSEKXTTANLYLWQMVYRSPNLSRQFQYRWFLEPSRVTQGT-TTLLPQDKCVNF 410
 Qy 346 ELNRTEPSILNNYLINNLVQKTTSLDRRESAQEKLLETLYGTTKSCVPRWOTCISNT 405
 Db 411 ESALPYVYGGMFDVYFQEDKEMMELLEVEGRWAFIDMLKEENNDAGTKRAKEKAR 470
 Qy 406 DDAIGFALOSLIFYKATDROSKEAEGMISEKITAEEAL-QLVNMDEKTRQAEEKAD 464
 Db 471 AVLAKVGYPEFIMNDTHYNEDEKAIKPFSEADYFGNVLQTRKYLQOSDFFWLRKAVPKTEW 530
 Qy 465 AIVDMIGFDDFLPEKLDVYQYETISESDFFQMNMLNLYNSAKYNAQDQLKPPSRDQW 524

Db 531 FNTNTTNAFYSASTNQIRFPAEGLQKFFENGEYPRLSYKAGVYVGHETHTGDNNG 590
 Db 525 SMTQTVNAYYLPIKNEVFPAGILQAFY-AENHPKALNFGTGTGNGHETHAEDQDQ 583
 Qy 591 RKYDKNGNLDPWNSTSEEEKKEKTKMINQSYNNKKAGLNVKGRTLGEMIADNGGL 650
 Db 584 REYIKEGNLRPWNQNESLAARNHTACMEEQVNY--QVNGERLNGQTGENITDNGGL 641
 Qy 651 REAPRAYKWRINDPRQGLEPLPGLITFTNQFLFLSYAHVHRNSYRPEAEEQVQIGAH 710
 Db 642 KAAVNAKWL--RKHG-BEQQLPAVGLTNHCLFFVGAQWNSVRPESSHEGLVTDHP 698

Qy 711 SPPQFRVNAISNSSEEFORAFNCPENSTMRQHDSCRW 749

Db 699 SPARFRVLGTLNSRDFLRFHFGCPVGSPPMNPQ-QLCEVW 736

RESULT 14
 US-09-978-403A-526
 Sequence 526, Application US/0978403A
 Publication No. US20030050240A1
 GENERAL INFORMATION:
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Baker, Kevin P.
 APPLICANT: Bostein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Eaton, Dan
 APPLICANT: Ferrara, Napoleon
 APPLICANT: Filvaroff, Eileen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Grimaldi, J. Christopher
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillian, Kenneth J.
 APPLICANT: Kjelvin, Ivar J.
 APPLICANT: Kuo, Sophia S.
 APPLICANT: Napier, Mary A.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Shelton, David L.
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tunas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 Acid Encoding the Same
 FILE REFERENCE: P263P01C17
 CURRENT APPLICATION NUMBER: US/09/978,403A
 CURRENT FILING DATE: 2002-03-19
 PRIORITY APPLICATION NUMBER: 09/148585
 PRIORITY FILING DATE: 2001-07-30
 PRIORITY APPLICATION NUMBER: 60/062250
 PRIORITY FILING DATE: 1997-10-17
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 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085697
 Query Match Score 1223; DB 11; Length 736;
 Best Local Similarity 35.9%; Pred. No. 1.3e-10;
 Matches 267; Conservative 145; Mismatches 307; Indels 40; Gaps 18;

Qy 2 EAETGSSV-ETGRKANRGTRIAL-VVFGGTIVLGTLF--LVSQGJL-SLSQAKQYCL 55
 Db 7 ELGAGSNVFGQKTRQTLGSRQLEVLGASLLAALLGCLVALQYHRDPHSHTCL 66
 Qy 56 KPCIEAAAILSKVNLSDPCDNFFRACDGWSNNPPIEDMPSGVVPLRHNVDKL 115
 Db 67 TEACIRVAKGKILESLDQVSPC6DFYQSCGWMIRPLDGRSRNTNTLWDQNOAII 126
 Qy 116 KELLEKSIIRRDRDTEAQAKILYSSCMNNEKAIEKADAKPLHLRHSPPRMPVLESSNIG 175

127 KELLENT-TENSSSEA EQKTOFYLSPCLOVERIEELGAQPLRDLI-----EKIG 174
 176 P--EGWSERFSELSLTLATFQGQNSNSVTRLYSPDDKASNSHILKUDQATSLAVER 232
 175 GWNITGWDQDNF--NEVLKAVAGTYRATPPTVVISADSKSSNSNVIQDQSGLFLPSR 232
 233 EDYLDNSSTEAKSYRDALYKFMVDTAVLGANSRAEHDMKSVSLRELIKIAEIMIPH-ENR 291
 233 DYL-NITANEVLTALDYMELGMLGGPPTSTEQMQLLELIQLANTIVDQRR 291
 292 TSEAMYNNKMNISELSAM1POFDWLGYIKKVIDTRLYPHLDISPSBNVYVRPQYFKDLP 351
 292 DEEKIYHMRNSISELQALAPSMMWLFSLSP-----LBDLSDSPVYGMDSLQQVS 345
 352 RILGSEKRTKTYANLYWTRMYSRPNLSRBRQYRMLRSVQGT-TTLLPQWDCVNEI 410
 346 ELINRTEPSILNNYLINVLQKTTSSDRREFAQSERBLLETYGTKSCVPRWQTCISNT 405
 406 DALGFGALGSVLYKATPDRSEKIAEOMISERTATEBEAL-GOLVYMDEXTRAQAKED 464
 471 AVIAKVGYPPEFIMNDTHVNEDLKAIKSEADYFGNVLQTRKYLQSDFFMLRKAVPKTEW 530
 465 AYDMIGFPDFILEPKELDDYDGYEISESDSFQNMNLNFSAKYMDQLRKPPSRDOW 524
 531 FNTPTVNAFYASASTNQ1RFPAEGLQKPFENRTEYPRSLSYAIGTVGHEFTHGDFDNG 590
 525 SMTPQTNAYYLPTKNEVTPAGILQAFPY-ARNH-KALNIGGIGYVMGHELTAFDDQG 583
 591 RYKDONGNLDPWSTESTESEBKEKTKMINQYSNYWKKAGINVKGRTLGENIADNGGL 650
 584 REIDKEGNLRPWQNESSLAFAFNHTACMEQNYQ--QVNGERLNGRTQI GENITDNGGL 641
 651 REAFRAYRKWINDRROQLEBPLPGLTFTNNOLFELSYAHYRCNSYRPEAREQYQIGAH 710
 642 KAAYNAYKAWL-RKHG-EEQQQPAVGTLNHLUFFYFAQWCSVRTPESSHGLYTDPH 698
 711 SPPQFRYNGAISNSEEFOKAFNCPPNSTMNQMDSCRW 749
 699 SPARFRVLTNSRDLRHFGCPVGSPMNPG-QLCEVW 736

RESULT 15

US-09-978-564A-526
 Sequence 526, Application US/09978564A
 Publication No. US20030050241A1
 GENERAL INFORMATION:
 / APPLICANT: Ashkenazi, Avi
 / APPLICANT: Baker, Kevin P.
 / APPLICANT: Botstein, David
 / APPLICANT: Desnoyers, Luc
 / APPLICANT: Eaton, Dan
 / APPLICANT: Ferrara, Napoleon
 / APPLICANT: Filvaroff, Ellen
 / APPLICANT: Fong, Sherman
 / APPLICANT: Ge, Wei Qiang
 / APPLICANT: Gerber, Hans Peter
 / APPLICANT: Gerritsen, Mary E.
 / APPLICANT: Goddard, Audrey
 / APPLICANT: Godowski, Paul J.
 / APPLICANT: Grimaldi, J. Christopher
 / APPLICANT: Gurney, Austin L.
 / APPLICANT: Hillian, Kenneth J.
 / APPLICANT: KJaviv, Ivar J.
 / APPLICANT: Kuo, Sophia S.
 / APPLICANT: Napier, Mary A.
 / APPLICANT: Pan, James
 / APPLICANT: Paponi, Nicholas F.
 / APPLICANT: Roy, Margaret Ann
 / APPLICANT: Shelton, David L.
 / APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.
 APPLICANT: Wood, William I. and Transmembrane Polypeptides and Nucleic
 ACIDS Encoding the Same
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ACIDS Encoding the Same
 FILE REFERENCE: P2630P1C25
 CURRENT FILING DATE: 2001-10-16
 PRIOR APPLICATION NUMBER: 09/918585
 PRIOR FILING DATE: 2001-07-30
 PRIOR APPLICATION NUMBER: 60/062250
 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/064249
 PRIOR FILING DATE: 1997-11-03
 PRIOR APPLICATION NUMBER: 60/065311
 PRIOR FILING DATE: 1997-11-13
 PRIOR APPLICATION NUMBER: 60/066364
 PRIOR FILING DATE: 1997-11-21
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 PRIOR APPLICATION NUMBER: 60/085697

Query Match 30.9%; Score 1223; DB 11; Length 736;
 Best Local Similarity 35.2%; Prid. No. 1.3e-105;
 Matches 267; Conservative 145; Mismatches 307; Indels 40; Gaps 16;

Qy 2 EAETGSSV--ETGKKA NGRTIAL-VVFVG3LVLGTLF--LVSQGL-LSLQA KQEYCL 55
 Db 7 ELGRGS NYGFQKGTROLLGSR TQUE LLAGASILLA AULGCI VALGVYQHDP SHSTCL 66
 Qy 56 KPECIEAA A AILSRVNLSDPCDNFREACDGWSNNPPIPDMPSYGVYPLRHNVDLKL 115
 Db 67 TEACIRVAGKILESLDRGVSPCDEFYQFSCGGWIRRNPLPDGRSRWNTFSLMDQNOA IL 126
 Qy 116 KEI LEKSIS RRRTEA TCKA KLYSSCNE KATEKA DAKPLHILRHS PFRPEVLES NIG 175
 Db 127 KHLLEN T-FNSSEAE X T Q RYLSCLQV RIELEGA QPDRDLI ----- EKIG 174
 Qy 176 P--EGVNSERKESLQLQTATF RGOSNSVFLRILYSPDDKASNEHILKQATLSLAVR 232
 Db 175 GWNNTGPIDQDNF--MEYLKAVGTYATPFFTVYISADSKESNSNNTVQDQSGLFLPSR 232
 Qy 233 EDYLDNSTEAKSYRDALYKEMYDTA VLLGANSRAEDHMSKYLRLKIAEIMIPH-ENR 291
 Db 233 DYTLY-NRPA NEKYLTA VDYMEEBLGMU LGGRPTSTRCMOQVLELQNLANITVPOQRR 291
 Qy 292 TSEAMYNGNQKISLSAM1PQFDLGYIKRVIDTRYLPHKLQSPSENVYVPOYFKDLF 351
 Db 292 DEEKIYHMSISLQALAPSMOWLEFLSFLSP-----LIELSDSEPVVYGMMDYLQQVS 345
 Qy 352 RILGSEKRTKAYLWIRMVYWSRPNLSRRFQYRMLBFSRVRQGT-TTLLPQMDKCVNF1 410
 Db 346 ELMNRTBESI LILNQVQKTTSSDRRFSAQKLLEFLYGT KSKCVRWQTCISNT 405
 Qy 411 E5ALPYVYQKMFDVYQEDKEMMEBLVEGRWAFIDMLKEENENDAGTKRKAKEKAR 470
 Db 406 DDLGFGALSLFYT KATDRQSKETIAEGMISERTAPEAL-GQLVW DDERQAAKEKAD 464
 Qy 471 AVIAKVGYPFETMNDTHVNE DILKAIKSEADYFGVNLQCTR KLAQSDFMLKAVKTEW 530
 Db 475 AYDMDIGPDPFLBPEXPLDDYYDGYESEDSFQNMNLYNSAKMADQRKPPRSDQW 524
 Qy 531 FTMPTTNAFYSASTNQIRPAGELQKPFNGTEYRSLSYGAIGVIGHFBTHGSDNN 590
 Db 525 SMPTQTYNAYLPTKNEVLPFAGILOPFPY-ARNHKA LNFQGIGMGMH THA PDDQG 583
 Qy 591 RKYDNGNLDPMWSTSEEKK EKTKCMINQSYWKKAGLNUVKGRTLGENIADNGGL 650

584 REYDKEGNLRPAWQNESLAAFRNHTACMEQYNY - QVNGERLNGRCILGENITDNGGL 641
651 REAFRAFRKWNDRRQOLEEPILPGTFTMNQNLQFQSYAHVRCNYRPEAAREQVQIGAH 710
642 KAYNAYKAWL -RKHG -EEQOLPAVGLTNEQFLFFGFAQWCVRTPESSHEGLVTDPH 698
711 SPPQFRYNGAISNSSEEFQOKAFNCPPNSTMARGMDSCRLW 749
699 SPARFRVLGTLNSRDFLRHFGCPVGSPMNPG - QLCVW 736

search completed: December 3, 2003, 07:30:23
Job time : 500.375 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 3, 2003, 07:21:37 ; Search time 0:52:451 Seconds
(without alignments)
1076.927 Million cell updates/sec

Title: US-09-913-955A-4

Perfect score: 72

Sequence: 1 VLTVIQQTSQLLIS 16

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 128717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Maximum Match 0%
Listing first 45 summaries

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3: /cgn2_-/ptodata/1/iaa/6A_COMB.pep:
4: /cgn2_-/ptodata/1/iaa/6B_COMB.pep:
5: /cgn2_-/ptodata/1/iaa/PCFTUS_COMB.pep:
6: /cgn2_-/ptodata/1/iaa/backfile1.pep:
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

result No.	Score	Query	Match	Length	DB ID	Description
1	41	56.9	283	4	US-09-198-452A-424	Sequence 424, App
2	37	51.4	206	4	US-09-107-532A-3801	Sequence 3801, App
3	36	51.4	3433	4	US-09-031-501B-10	Sequence 10, App
4	36	50.0	361	4	US-09-232-991A-30426	Sequence 30426, A
5	36	50.0	4594	4	US-09-232-991A-30164	Sequence 30164, A
6	35	48.6	132	4	US-09-198-452A-573	Sequence 573, App
7	35	48.6	625	4	US-09-232-991A-26336	Sequence 26336, A
8	35	48.6	705	4	US-09-328-352-4457	Sequence 4457, App
9	35	48.6	803	4	US-09-232-991A-19992	Sequence 19992, A
10	34.5	47.9	418	4	US-09-74-623-106	Sequence 106, App
11	34	47.2	1034	4	US-09-232-991A-28921	Sequence 28921, A
12	34	47.2	1627	4	US-09-348-352-6604	Sequence 6604, App
13	33	45.8	438	4	US-09-232-991A-18710	Sequence 18710, A
14	33	45.8	453	4	US-09-232-991A-17641	Sequence 17641, A
15	33	45.8	459	2	US-09-870-518-14	Sequence 4, App
16	33	45.8	476	3	US-18-64-635-5	Sequence 5, App
17	33	45.8	749	4	US-09-232-991A-16877	Sequence 16877, A
18	33	45.8	2004	1	US-08-315-709-15	Sequence 15, App
19	33	45.8	2004	1	US-08-752-929-15	Sequence 15, App
20	33	45.8	2004	3	US-09-030-793-9	Sequence 9, App
21	33	45.8	2004	4	US-09-231-699-9	Sequence 9, App
22	32.5	45.1	894	3	US-09-342-525-22	Sequence 22, App
23	32.5	45.1	894	3	US-08-971-692-15	Sequence 15, App
24	32.5	45.1	1537	1	US-08-315-267A-2	Sequence 2, App
25	32	44.4	132	6	516490-7	Patent No. 516490
26	32	44.4	195	4	US-09-232-991A-21069	Sequence 21069, A
27	32	44.4	197	4	US-09-602-877A-99	Sequence 99, App

Sequence 403, APP
Patent No. 516490
Sequence 2802, A
Sequence 16, APP1
Sequence 16, APP1
Sequence 5629, AP
Sequence 17413, A
Sequence 3301, AP
Sequence 2, APP1
Sequence 2, APP1
Sequence 6805, AP
Sequence 6, APP1
Sequence 6531, AP
Sequence 20913, A
Sequence 2, APP1
Sequence 28398, A
Sequence 5839, AP
Sequence 28610, A

ALIGMENTS

RESULT 1
US-09-198-452A-424
; Sequence 424, Application US/09198452A
; Patent No. 659294
; GENERAL INFORMATION:
; APPLICANT: Griffisis, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
; thereof and uses thereof, in particular for the diagnosis, prevention
; and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198, 452A
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 424
; LENGTH: 283
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
; US-09-198-452A-424

Query Match 56.9%; Score 41; DB 4; Length 283;
Best Local Similarity 53.8%; Pred. No. 6.7; Mismatches 5; Indels 1; Gaps 0;

Qy 1 VLTVIQQTSQLLIS 13
Db 162 LLSLVSQMTISQ 174

RESULT 2
US-09-107-532A-3801
; Sequence 3801, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 731,0
; CORRESPONDENCE ADDRESS:
; ADDRESSSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02454
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD/ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/107,532A
 PRIORITY APPLICATION DATA: 30-Jun-1998
 FILING DATE: 14 MAY 1998
 APPLICATION NUMBER: 60/151571
 FILING DATE: JULY 2, 1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Ariniello, Pamela Deneke
 REGISTRATION NUMBER: 0.489
 REFERENCE/DOCKET NUMBER: GTC-012
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (781) 931-5007
 TELEFAX: (781) 931-893-8277
 INFORMATION FOR SEQ ID NO: 3801:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 206 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: YES
 ORIGINAL SOURCE:
 ORGANISM: Enterococcus faecium
 FEATURE:
 NAME/KEY: misc feature
 LOCATION: (B) LOCATION 1..206
 SEQUENCE DESCRIPTION: SEQ ID NO: 3801:
 US-09-107-532A-3801

Query Match: 51.4%; Score: 37; DB: 4; Length: 206;
 Best Local Similarity: 61.5%; Pred. No: 25;
 Matches: 1; Mismatches: 4; Indels: 0; Gaps: 0;
 Qy 2 LTVIAQQTTSQLL 14
 :||| :||| :|||
 Db 122 VTVIDSDTIDQGL 134

RESULT 3
 US-09-091-501B-10
 Sequence 10, Application US/09091501B
 Patent No. 6518413
 GENERAL INFORMATION:
 APPLICANT: Tinsley, Jonathan M
 TITLE OF INVENTION: Utrrophin gene expression
 FILE REFERENCE: 620-42
 CURRENT APPLICATION NUMBER: US/09/091,501B
 CURRENT FILING DATE: 1998-06-18
 PRIOR APPLICATION NUMBER: PCT/GB96/03156
 PRIOR FILING DATE: 1996-12-19
 PRIOR APPLICATION NUMBER: GB 9525962.8
 PRIOR FILING DATE: 1995-12-19
 PRIOR APPLICATION NUMBER: GB 961597.9
 PRIOR FILING DATE: 1996-07-26
 PRIOR APPLICATION NUMBER: GB 9622174.2
 PRIOR FILING DATE: 1996-10-24
 NUMBER OF SEQ ID NOS: 15
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 10
 LENGTH: 3433
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 NAME/KEY: misc feature
 LOCATION: (239) ...
 OTHER INFORMATION: Description of Artificial Sequence: Full length
 JS-09-091-501B-10

Query Match: 51.4%; Score: 37; DB: 4; Length: 3433;
 Best Local Similarity: 53.8%; Pred. No: 7.8e+02;
 Matches: 7; Conservative: 4; Mismatches: 2; Indels: 0; Gaps: 0;

Qy 3 TVIAQQTTSQLL 15
 :||| :||| :|||
 Db 1565 TBLVQRSTSEGLL 1577

RESULT 4
 US-09-252-991A-30426
 Sequence 30426, Application US/09252991A
 GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 FILE REFERENCE: 107156.136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 30426
 LENGTH: 361
 TYPE: PRT
 ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-30426

Qy 1 VLTVIQQTTSQLL 15
 :||| :||| :|||
 Db 125 VLPVLAQTLGGGLV 139

RESULT 5
 US-09-252-991A-30164
 Sequence 30164, Application US/09252991A
 Patent No. 651795
 GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
 FILE REFERENCE: 107196.136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 30164
 LENGTH: 454
 TYPE: PRT
 ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-30164

Qy 5 IAQQTTSQLL 16
 :||| :||| :|||
 Db 320 VAHQAAAQGLL 331

RESULT 6
 US-09-198-452A-573
 Sequence 573, Application US/09198452A
 Patent No. 6559294
 GENERAL INFORMATION:

APPLICANT: Griffais, R. Chlamydia pneumoniae genomic sequence and polypeptides, fragment
 TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
 and treatment of infection
 FILE REFERENCE: 9710-003-999
 CURRENT APPLICATION NUMBER: US/09/198,452A
 CURRENT FILING DATE: 1998-11-24
 NUMBER OF SEQ ID NOS: 6849
 SEQ ID NO: 132
 LENGTH: 132
 TYPE: PRT
 ORGANISM: Chlamydia pneumoniae
 US-09-198-452A-573

Query Match 48.6%; Score 35; DB 4; Length 132;
 Best Local Similarity 53.3%; Pred. No. 35;
 Matches 8; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 2 LTVIAQQTSGQLLS 16
 Db 116 MTVKAQBFQFEKGLLS 130

RESULT 7
 US-09-252-991A-26336
 Sequence 23336, Application US/09252991A
 GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 FILE REFERENCE: 107196-136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 NUMBER OF SEQ ID NOS: 33142
 LENGTH: 803
 TYPE: PRT
 ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-19492

Query Match 48.6%; Score 35; DB 4; Length 803;
 Best Local Similarity 46.2%; Pred. No. 3.1e+02;
 Matches 6; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

Qy 3 TVIAQQTSGQLL 15
 Db 352 TLVAQRSSQ3L 364

RESULT 9
 US-09-252-991A-19492
 Sequence 19492, Application US/09252991A
 Patent No. 6551795
 GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 FILE REFERENCE: 107196-136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-02-18
 NUMBER OF SEQ ID NOS: 33142
 LENGTH: 803
 TYPE: PRT
 ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-19492

Query Match 48.6%; Score 35; DB 4; Length 803;
 Best Local Similarity 46.2%; Pred. No. 3.1e+02;
 Matches 6; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

Qy 3 TVIAQQTSGQLL 15
 Db 352 TLVAQRSSQ3L 364

RESULT 10
 US-09-724-623-106
 Sequence 106, Application US/09724623
 Patent No. 6476209
 GENERAL INFORMATION:
 APPLICANT: Glenn, Matthew W
 APPLICANT: Lubbers, Mark W
 APPLICANT: Dekker, James
 TITLE OF INVENTION: Polynucleotides, materials incorporating
 TITLE OF INVENTION: them, and methods for using them.
 FILE REFERENCE: 104801
 CURRENT APPLICATION NUMBER: US/09/724,623
 CURRENT FILING DATE: 2000-11-28
 NUMBER OF SEQ ID NOS: 124
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 106
 LENGTH: 418
 TYPE: PRT
 ORGANISM: Lactobacillus rhamnosus
 US-09-724-623-106

Query Match 48.6%; Score 35; DB 4; Length 625;
 Best Local Similarity 50.0%; Pred. No. 2.3e+02;
 Matches 8; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 1 VTVIAQQTSGQLLS 16
 Db 365 MLTVAQQTDAQRYLN 380

RESULT 8
 US-09-328-352-4457
 Sequence 4457, Application US/09328352
 GENERAL INFORMATION:
 APPLICANT: Gary L. Brecon et al.
 TITLE OF INVENTION: BAUANNI AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
 FILE REFERENCE: GTCS9-03PA
 CURRENT APPLICATION NUMBER: US/09/328,352
 CURRENT FILING DATE: 1999-06-04
 SEQ ID NO: 4457
 LENGTH: 705
 TYPE: PRT
 ORGANISM: Acinetobacter baumannii
 US-09-328-352-4457

Query Match 48.6%; Score 35; DB 4; Length 705;

GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 FILE REFERENCE: 107196-136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 CURRENT FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO: 28921
 LENGTH: 1034
 TYPE: PRT
 ORGANISM: *Pseudomonas aeruginosa*
 US-09-252-991A-28921

Query Match Score 34; DB 4; Length 1034;
 Best Local Similarity 54.5%; Pred. No. 6.5e+02;
 Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 5 IAQQTTSQGLL 15
 Db 816 LADQSTDQGLI 826

RESULT 12
 US-09-328-352-6604
 Sequence 6604, Application US/09328352
 Patent No. 6552958

GENERAL INFORMATION:
 APPLICANT: Gary L. Breton et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
 FILE REFERENCE: GTC99-03PA
 CURRENT APPLICATION NUMBER: US/09/328,352
 CURRENT FILING DATE: 1999-06-04
 NUMBER OF SEQ ID NOS: 8252
 SEQ ID NO: 6604
 LENGTH: 1627
 TYPE: PRT
 ORGANISM: *Acinetobacter baumannii*
 US-09-328-352-6604

Query Match Score 34; DB 4; Length 1627;
 Best Local Similarity 50.0%; Pred. No. 1.1e+03;
 Matches 8; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 1 VLTVIQQTTSQGLS 16
 Db 537 LLAHLALQTPQGLVS 552

RESULT 13
 US-09-252-991A-18710
 Sequence 18710, Application US/09252991A
 Patent No. 655195

GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 FILE REFERENCE: 107196-136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 CURRENT FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO: 18710
 LENGTH: 438
 TYPE: PRT

GENERAL INFORMATION:
 ORGANISM: *Pseudomonas aeruginosa*
 US-09-252-991A-17641
 Sequence 17641, Application US/09252991A
 Patent No. 6551795

GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 FILE REFERENCE: 107196-136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO: 17641
 LENGTH: 453
 TYPE: PRT
 ORGANISM: *Pseudomonas aeruginosa*
 US-09-252-991A-17641

Query Match Score 33; DB 4; Length 453;
 Best Local Similarity 46.2%; Pred. No. 3.7e+02;
 Matches 6; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 VLTVIQQTTSQG 13
 Db 117 VAVVVAEQVAAQG 129

RESULT 14
 US-09-252-991A-17641
 Sequence 17641, Application US/09252991A
 Patent No. 6551795

GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 FILE REFERENCE: 107196-136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO: 17641
 LENGTH: 453
 TYPE: PRT
 ORGANISM: *Pseudomonas aeruginosa*
 US-09-252-991A-17641

Query Match Score 33; DB 4; Length 453;
 Best Local Similarity 46.2%; Pred. No. 3.7e+02;
 Matches 6; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 VLTVIQQTTSQG 13
 Db 117 VAVVVAEQVAAQG 129

RESULT 15
 US-09-870-518-4
 Sequence 4, Application US/08870518
 Patent No. 5945566

GENERAL INFORMATION:
 APPLICANT: Davis, Roger J.
 TITLE OF INVENTION: NON ACTIVATED RECEPTOR COMPLEX
 TITLE OF INVENTION: PROTEINS AND USES THEREOF
 NUMBER OF SEQUENCES: 35
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson P.C.
 STREET: 225 Franklin Street
 CITY: Boston
 STATE: MA
 COUNTRY: US
 ZIP: 02110-2804

GENERAL INFORMATION:
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: Windows95
 SOFTWARE: FASTSEQ for Windows Version 2.0

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/870,518
 FILING DATE: 06-JUN-1997

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/019,219
 FILING DATE: 06-JUN-1996

ATTORNEY/AGENT INFORMATION:
 NAME: Fasse, Peter J.

REGISTRATION NUMBER 32,983
REFERENCE/DOCKET NUMBER: 04020/102001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-9906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 459 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
JS-08-870-518-4

Query Match 45.0%; Score 33; DB 2; Length 459;
Best Local Similarity 58.3%; Pred. No. 3.7e+02;
Matches 7; Conservative 2; Mismatches 3; Index 0; Gaps 0;

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	:		
Db	125	LGQTTVEGLLS	136

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Job time: 1.62745 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 3, 2003, 07:21:37 ; Search time 10:6248 seconds
(without alignment)

280.074 Million cell updates/sec

Title: US-09-913-955A-4

Perfect score: 72

Sequence: 1 VLTVIQQTRSQGLIS 16

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Total number of hits satisfying chosen parameters: 684280

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

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4: /cgn2_6/ptodata/1/pubpa/us06_PUBCMB.pep:*

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6: /cgn2_6/ptodata/1/pubpa/putus_NEW_PUB.pep:*

7: /cgn2_6/ptodata/1/pubpa/putus_NEW_PUB.pep:*

8: /cgn2_6/ptodata/1/pubpa/us08_PUBCMB.pep:*

9: /cgn2_6/ptodata/1/pubpa/us09A_PUBCMB.pep:*

10: /cgn2_6/ptodata/1/pubpa/us09B_PUBCMB.pep:*

11: /cgn2_6/ptodata/1/pubpa/us09C_PUBCMB.pep:*

12: /cgn2_6/ptodata/1/pubpa/us09_NEW_PUB.pep:*

13: /cgn2_6/ptodata/1/pubpa/us10A_PUBCMB.pep:*

14: /cgn2_6/ptodata/1/pubpa/us10B_PUBCMB.pep:*

15: /cgn2_6/ptodata/1/pubpa/us10C_PUBCMB.pep:*

16: /cgn2_6/ptodata/1/pubpa/us10_NEW_PUB.pep:*

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18: /cgn2_6/ptodata/1/pubpa/us66_PUBCMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	36	50.0	453	15 US-10-156-761-11650	Sequence 11650, A
2	35	48.6	777	12 US-10-029-72413	Sequence 27413, A
3	35	48.6	236	10 US-09-881-752A-340	Sequence 340, App
4	35	48.6	254	9 US-09-815-242-4880	Sequence 4880, App
5	35	48.6	259	9 US-09-815-242-10486	Sequence 10486, A
6	35	48.6	626	14 US-10-047-539-2	Sequence 2, Appl
7	34.5	47.9	418	12 US-10-288-934-106	Sequence 106, App
8	34	47.2	121	15 US-10-310-002-3	Sequence 3, Appl
9	34	47.2	334	10 US-09-738-626-5842	Sequence 5842, App
10	34	47.2	508	15 US-10-156-781-12564	Sequence 12564, A
11	34	47.2	1008	15 US-10-310-002-11	Sequence 11, Appl
12	34	47.2	1054	15 US-10-156-702-47	Sequence 47, Appl
13	33.5	46.5	793	15 US-10-156-761-10563	Sequence 10563, A
14	33	45.8	81	10 US-09-125-300-1641	Sequence 1641, App
15	33	45.8	102	15 US-10-156-761-12325	Sequence 12325, A

ALIGNMENTS

RESULT 1
US-10-156-761-11650 ; Sequence 11650, Application US/10156761 ; Publication No. US20030119018A1 ; GENERAL INFORMATION: ; APPLICANT: OMURA, SATOKI ; IKEDA, HARUO ; APPLICANT: ISHIKAWA, JUN ; APPLICANT: HORIKAWA, HIROSHI ; SHIBA, TADAYOSHI ; APPLICANT: SAKAKI, YOSHITUKI ; APPLICANT: HATTORI, MASAHIRA ; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES ; FILE REFERENCE: 249-562 ; CURRENT APPLICATION NUMBER: US/10/156,761 ; PRIORITY FILING DATE: 2002-05-29 ; PRIORITY APPLICATION NUMBER: JP 2001-204089 ; PRIORITY FILING DATE: 2001-05-30 ; PRIORITY APPLICATION NUMBER: JP 2001-272697 ; NUMBER OF SEQ ID NOS: 15109 ; SEQ ID NO 11650 ; LENGTH: 453 ; TYPE: PRT ; ORGANISM: Streptomyces avermitilis ; US-10-156-761-11650

Query Match 50.0% ; Score 36; DB 15; Pred. No. 3.1e+02; Best Local Similarity 40.0%; Matches 6; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 1 VLTVIQQTRSQGLL 15
Db 47 ILALVRRQQTCTEGFL 61

RESULT 2
US-10-029-386-27413

RESULT 4
 Sequence 27413, Application US/10029386
 Publication No. US200301094704A1
 GENERAL INFORMATION:
 APPLICANT: Penn, Shannon G.
 APPLICANT: Rank, David R.
 APPLICANT: Daniel, David K.
 TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR EXPRESSION ANALYSIS TWO
 FILE REFERENCE: AEOMICA-X2
 CURRENT FILING DATE: US/10/029, 386
 NUMBER OF SEQ ID NOS: 34238
 SOFTWARE: Amomax Sequence Listing Engine vers. 1.1
 SEQ ID NO: 27413
 LENGTH: 77
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 OTHER INFORMATION: MAP TO CHR22-105, 0
 OTHER INFORMATION: EXPRESSED IN HEPA, SIGNAL = 1.1
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.9
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2
 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.8
 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.9
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.1
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2
 OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2
 OTHER INFORMATION: SWISSPROT HIT: Q9VH86, EVALUE: 9.00e+00
 US-10-029-386-27413

Query Match Score 35; DB 12; Length 77;
 Best Local Similarity 40.0%; Pred. No. 60;
 Matches 6; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 1 VLTVAQQTSQQLL 15
 Db 59 LLLIVDQQATKEGIL 73

RESULT 3
 Sequence 752A-340, Application US/09881752A
 Patent No. US2002115078A1
 GENERAL INFORMATION:
 APPLICANT: Kleanthous, Harold
 APPLICANT: Al-Garawi, Amal
 APPLICANT: Miller, Charles P.
 APPLICANT: Tomb, Jean-Francois
 APPLICANT: Oomen, Raymond P.
 TITLE OF INVENTION: Identification of Polynucleotides
 TITLE OF INVENTION: Encoding No. US2002115078A1 Helicobacter Polypeptides in the Genome
 FILE REFERENCE: 06112/041002
 CURRENT APPLICATION NUMBER: US/09/881,752A
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: US 08/833,457
 PRIOR FILING DATE: 1997-04-01
 NUMBER OF SEQ ID NOS: 370
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO: 340
 LENGTH: 216
 TYPE: PRT
 ORGANISM: Helicobacter pylori
 US-09-881-752A-340

Query Match Score 35; DB 10; Length 236;
 Best Local Similarity 50.0%; Pred. No. 2.2e+02; Mismatches 2; Indels 0; Gaps 0;

Qy 1 VLTVAQQTSQQLL 16
 Db 173 LTPIVAQVQAGDES 188

RESULT 5
 Sequence 10486, Application US/09815242
 Patent No. US2002061565A1
 GENERAL INFORMATION:
 APPLICANT: Haselbeck, Robert
 APPLICANT: Ohlsen, Kari L.
 APPLICANT: Zyskind, Judith W.
 APPLICANT: Wall, Daniel
 APPLICANT: Trawick, John D.
 APPLICANT: Carr, Grant J.
 APPLICANT: Yamamoto, Robert T.
 APPLICANT: Xu, H. Howard
 TITLE OF INVENTION: Prokaryotes
 FILE REFERENCE: EULTRA_011A
 CURRENT APPLICATION NUMBER: US/09/815, 242
 CURRENT FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/191,078
 PRIOR FILING DATE: 2000-03-21
 PRIOR APPLICATION NUMBER: 60/206, 848
 PRIOR FILING DATE: 2000-05-23
 PRIOR APPLICATION NUMBER: 60/207,727
 PRIOR FILING DATE: 2000-05-26
 PRIOR APPLICATION NUMBER: 60/242,578
 PRIOR FILING DATE: 2000-10-23
 PRIOR APPLICATION NUMBER: 60/253,625
 PRIOR FILING DATE: 2000-11-27
 PRIOR APPLICATION NUMBER: 60/257,931
 PRIOR FILING DATE: 2000-12-22
 PRIOR APPLICATION NUMBER: 60/269,308
 PRIOR FILING DATE: 2001-02-16
 NUMBER OF SEQ ID NOS: 14100
 SEQ ID NO: 4880
 LENGTH: 254
 TYPE: PRT
 ORGANISM: Enterococcus faecalis
 US-09-815-242-4880

Query Match Score 35; DB 9; Length 254;
 Best Local Similarity 43.8%; Pred. No. 2.4e+02; Mismatches 5; Indels 0; Gaps 0;

Qy 1 VLTVAQQTSQQLL 16
 Db 80 VLNLSLPLTSQGIL 95

RESULT 6
 Sequence 10486, Application US/09815242
 Patent No. US2002061565A1
 GENERAL INFORMATION:
 APPLICANT: Haselbeck, Robert
 APPLICANT: Ohlsen, Kari L.
 APPLICANT: Zyskind, Judith W.
 APPLICANT: Wall, Daniel
 APPLICANT: Trawick, John D.
 APPLICANT: Carr, Grant J.
 APPLICANT: Yamamoto, Robert T.
 APPLICANT: Xu, H. Howard
 TITLE OF INVENTION: Prokaryotes
 FILE REFERENCE: EULTRA_011A
 CURRENT APPLICATION NUMBER: US/09/815, 242
 CURRENT FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/191,078
 PRIOR FILING DATE: 2000-03-21
 PRIOR APPLICATION NUMBER: 60/206, 848
 PRIOR FILING DATE: 2000-05-23
 PRIOR APPLICATION NUMBER: 60/207,727

PRIOR FILING DATE : 2000-05-26
 PRIOR APPLICATION NUMBER: 60/242,578
 PRIOR FILING DATE: 2000-10-23
 PRIOR APPLICATION NUMBER: 60/253,625
 PRIOR FILING DATE: 2000-11-27
 PRIOR APPLICATION NUMBER: 60/257,931
 PRIOR FILING DATE: 2000-12-22
 PRIOR APPLICATION NUMBER: 60/269,308
 PRIOR FILING DATE: 2001-01-16
 NUMBER OF SEQ ID NOS: 14110
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 10486
 LENGTH: 258
 TYPE: PRT
 ORGANISM: Enterococcus faecalis

US-09-815-242-10486

Query Match Score 48.6%; DB 9; Length 258;
 Best Local Similarity 43.8%; Pred. No. 2.4e+02;
 Matches 7; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 1 VLTVAQQTSQGGLA 16
 Db 80 VLNSELPLTSQGGLA 95

RESULT 6
 US-10-047-539-2

Sequence 2, Application US/10047539
 Publication No. US20020177547A1
 GENERAL INFORMATION:
 APPLICANT: MOLLING, KARIN
 APPLICANT: PAVLOVIC, JOVAN
 APPLICANT: NAWRATH, MICHAEL
 TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS FOR TREATING OR PREVENTING
 FILE REFERENCE: VOS-27
 CURRENT APPLICATION NUMBER: US/10/047,539
 CURRENT FILING DATE: 2002-01-15
 PRIOR APPLICATION NUMBER: EP 01 10 0914.9
 PRIOR FILING DATE: 2001-01-16
 NUMBER OF SEQ ID NOS: 13
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 2
 LENGTH: 626
 TYPE: PRT
 ORGANISM: Mus musculus

US-10-047-539-2

Query Match Score 48.6%; DB 14; Length 626;
 Best Local Similarity 54.5%; Pred. No. 6.8e+02;
 Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 3 TVIAQQTSG 13
 Db 395 TVAQATTEG 405

RESULT 7
 US-10-388-930-106

Sequence 106, Application US/10288930
 Publication No. US20030138822A1
 GENERAL INFORMATION:
 APPLICANT: Glenn, Matthew W
 APPLICANT: Lubbers, Mark W
 APPLICANT: Dekker, James
 TITLE OF INVENTION: Polynucleotides and polypeptides, materials incorporating
 TITLE OF INVENTION: them, and methods for using them.
 FILE REFERENCE: 11000.1048u1
 CURRENT APPLICATION NUMBER: US/10/288,930
 CURRENT FILING DATE: 2002-11-05
 PRIOR APPLICATION NUMBER: 09/724,623
 PRIOR FILING DATE: 2000-11-28
 NUMBER OF SEQ ID NOS: 7059

PRIOR APPLICATION NUMBER: 60/148,801
 PRIOR FILING DATE: 1998-12-02
 NUMBER OF SEQ ID NOS: 124
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 106
 LENGTH: 418
 TYPE: PRT
 ORGANISM: Lactobacillus rhamnosus

US-10-288-930-106

Query Match Score 47.9%; DB 12; Length 418;
 Best Local Similarity 52.9%; Pred. No. 5.3e+02;
 Matches 9; Conservative 4; Mismatches 1; Indels 3; Gaps 1;

Qy 3 TVIAQQTSG---GGLS 16
 Db 20 TVLSQLTAAQRNAGLLA 36

RESULT 8
 US-10-310-002-3

Sequence 3, Application US/10310002
 Publication No. US20030125296A1
 GENERAL INFORMATION:
 APPLICANT: Emory University
 TITLE OF INVENTION: Insulin-Responsive Sequence DNA Binding Protein-1 and Methods to
 FILE REFERENCE: B056 1010
 CURRENT APPLICATION NUMBER: US/10/310,002
 CURRENT FILING DATE: 2002-12-04
 NUMBER OF SEQ ID NOS: 63
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 3
 LENGTH: 121
 TYPE: PRT
 ORGANISM: Rattus norvegicus

US-10-310-002-3

Query Match Score 47.2%; DB 15; Length 121;
 Best Local Similarity 57.1%; Pred. No. 1.5e+02;
 Matches 8; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

Qy 2 LTVIAQQTSGGL 15
 Db 92 LSVTAVQSTEQGQL 105

RESULT 9
 US-09-738-626-5842

Sequence 5842, Application US/09738626
 Publication No. US2002019705A1
 GENERAL INFORMATION:
 APPLICANT: NAKAGAWA, SATOHI
 APPLICANT: MIZOGUCHI, HIROSHI
 APPLICANT: ANDO, SEIKO
 APPLICANT: HAYASHI, MIKIRO
 APPLICANT: OCHIAI, KEIKO
 APPLICANT: YOKOI, HARUHIKO
 APPLICANT: TATEISHI, NAOKO
 APPLICANT: SENOH, AKIHIRO
 APPLICANT: IKEDA, MASATO
 APPLICANT: OZAKI, AYAO
 TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
 FILE REFERENCE: 249-125
 CURRENT APPLICATION NUMBER: US/09/738,626
 CURRENT FILING DATE: 2000-12-18
 PRIOR APPLICATION NUMBER: 1999-12-16
 PRIOR FILING DATE: JP 99/377484
 PRIOR APPLICATION NUMBER: JP 00/159162
 PRIOR FILING DATE: 2000-04-07
 PRIOR APPLICATION NUMBER: JP 00/280988
 NUMBER OF SEQ ID NOS: 7059

Software: Patentin ver. 3.0
 SEQ ID NO: 5842
 LENGTH: 334
 TYPE: PRT
 ORGANISM: Corynebacterium glutamicum
 US-09-738-626-5842

Query Match Score: 34; DB 10; Length: 334;
 Best Local Similarity: 57.1%; Pred. No. 5e+02; 5; Indels: 0; Gaps: 0;
 Matches: 8; Conservative: 1; Mismatches: 5; Indels: 0; Gaps: 0;
 SEQ ID NO: 277 LTVLNNTTSGVTL 290

RESULT 10
 US-10-156-761-12564
 Sequence 12564, Application US/10156761
 Publication No. US20030119018A1
 GENERAL INFORMATION:
 APPLICANT: OMURA, SATOSHI
 APPLICANT: IKEDA, HARUO
 APPLICANT: ISHIKAWA, JUN
 APPLICANT: HORIKAWA, HIROSHI
 APPLICANT: SHIBA, TADAYOSHI
 APPLICANT: HATTORI, MASAHIRO
 APPLICANT: SAKAKI, YOSHIOUKI
 TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
 FILE REFERENCE: 24-9-262
 CURRENT APPLICATION NUMBER: US/10/156,761
 CURRENT FILING DATE: 2002-05-29
 PRIOR APPLICATION NUMBER: JP 2001-204089
 PRIOR FILING DATE: 2001-05-30
 PRIOR APPLICATION NUMBER: JP 2001-272697
 PRIOR FILING DATE: 2001-08-02
 NUMBER OF SEQ ID NOS: 15109
 SEQ ID NO: 12564
 LENGTH: 508
 TYPE: PRT
 ORGANISM: Streptomyces avermitilis
 US-10-156-761-12564

Query Match Score: 34; DB 15; Length: 508;
 Best Local Similarity: 50.0%; Pred. No. 8.1e+02; 2; Mismatches: 5; Indels: 0; Gaps: 0;
 Matches: 7; Conservative: 2; Mismatches: 5; Indels: 0; Gaps: 0;
 SEQ ID NO: 281 LASLVEQT-SSGAL 294

RESULT 11
 US-10-310-002-11
 Sequence 11, Application US/10310002
 Publication No. US20030125296A1
 GENERAL INFORMATION:
 APPLICANT: Emory University
 TITLE OF INVENTION: Regulate Insulin-Responsive Gene
 FILE REFERENCE: E056 1010
 CURRENT APPLICATION NUMBER: US/10/310,002
 NUMBER OF SEQ ID NOS: 63
 SOFTWARE: Patentin version 3.2
 SEQ ID NO: 11
 LENGTH: 1008
 TYPE: PRT
 ORGANISM: Rattus norvegicus
 US-10-310-002-11

Query Match Score: 34; DB 15; Length: 1008;
 Best Local Similarity: 57.1%; Pred. No. 1.8e+03; 5; Indels: 0; Gaps: 0;

Matches: 8; Conservative: 2; Mismatches: 4; Indels: 0; Gaps: 0;
 SEQ ID NO: 2 LTVIAQQTTSQGLL 15
 Publication No. US20030125296A1
 GENERAL INFORMATION:
 APPLICANT: Emory University
 TITLE OF INVENTION: Insulin-Responsive Sequence DNA Binding Protein-1 and Methods to
 FILE REFERENCE: E056 1010
 CURRENT APPLICATION NUMBER: US/10/310,002
 CURRENT FILING DATE: 2002-12-04
 NUMBER OF SEQ ID NOS: 63
 SOFTWARE: Patentin version 3.2
 SEQ ID NO: 47
 LENGTH: 1054
 TYPE: PRT
 ORGANISM: Rattus norvegicus
 US-10-310-002-47

Query Match Score: 34; DB 15; Length: 1054;
 Best Local Similarity: 57.1%; Pred. No. 1.9e+03; 4; Indels: 0; Gaps: 0;
 Matches: 8; Conservative: 2; Mismatches: 4; Indels: 0; Gaps: 0;

SEQ ID NO: 2 LTVIAQQTTSQGLL 15
 Publication No. US20030119018A1
 GENERAL INFORMATION:
 APPLICANT: OKURA, SATOSHI
 APPLICANT: IKEDA, HARUO
 APPLICANT: ISHIKAWA, JUN
 APPLICANT: HORIKAWA, HIROSHI
 APPLICANT: SHIBA, TADAYOSHI
 APPLICANT: SAKAKI, YOSHIOUKI
 APPLICANT: HATTORI, MASAHIRO
 TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
 FILE REFERENCE: 24-9-262
 CURRENT APPLICATION NUMBER: US/10/156,761
 CURRENT FILING DATE: 2002-05-29
 PRIOR APPLICATION NUMBER: JP 2001-204089
 PRIOR FILING DATE: 2001-05-29
 NUMBER OF SEQ ID NOS: 15109
 SEQ ID NO: 10563
 LENGTH: 793
 TYPE: PRT
 ORGANISM: Streptomyces avermitilis
 US-10-156-761-10563

Query Match Score: 33.5%; DB 15; Length: 793;
 Best Local Similarity: 47.1%; Pred. No. 1.7e+03; 5; Mismatches: 3; Indels: 1; Gaps: 1;
 Matches: 8; Conservative: 5; Mismatches: 3; Indels: 1; Gaps: 1;

SEQ ID NO: 1 VLTVAQQTTSQGLL 16
 Publication No. US20030119018A1
 GENERAL INFORMATION:
 APPLICANT: OKURA, SATOSHI
 TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
 FILE REFERENCE: 24-9-262
 CURRENT APPLICATION NUMBER: JP 2001-272697
 CURRENT FILING DATE: 2001-08-02
 NUMBER OF SEQ ID NOS: 15109
 SEQ ID NO: 88 LLTISIAEEAASQGVTS 104

RESULT 14
 US-09-925-300-1641

Sequence 1641, Application US/09925300
 Patent No. US20020151681A1
 GENERAL INFORMATION:
 APPLICANT: Craig Rosen,
 STEVE RUBEN
 TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 FILE REFERENCE: PA101
 CURRENT APPLICATION NUMBER: US/09/925,300
 CURRENT FILING DATE: 2001-08-10
 PRIORITY NUMBER: PCT/US00/05988
 PRIORITY NUMBER: 2000-03-08
 PRIORITY NUMBER: 60/24,270
 PRIORITY FILING DATE: 1999-03-12
 NUMBER OF SEQ ID NOS: 1890
 SOFTWARE: Patentin Ver. 2.0
 SEQ ID NO 1641
 LENGTH: 81
 TYPE: PRT
 ORGANISM: Homo sapiens
 ACCESSION: US-09-925-300-1641

Query Match	45.0%	Score 33;	DB 10;	Length 81
Best Local	Similarity 43.8%;	Pred. No. 1.5e-02;		
Matches	7; Conservative	4; Mismatches	5;	Indels

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  1  VLVVIAQQTSGQLL 16
  : | : | : | : | : |
  63  VMLVLLQQSKSKGFRS 78
  
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RESULT 15
 Sequence 10-156-761-12525
 Sequence 12525, Application US/10156761
 Publication No. US2003019018A1
 GENERAL INFORMATION:
 APPLICANT: OMURA, SATOSHI
 APPLICANT: IKEDA, HARUO
 APPLICANT: ISHIKAWA, JUN
 APPLICANT: HORIKAWA, HIROSHI
 APPLICANT: SHIBA, TADATOSHI
 APPLICANT: SAKAKI, YOSHIIKU
 APPLICANT: HATTORI, MASAHIRA
 TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
 FILE REFERENCE: 249-262
 CURRENT APPLICATION NUMBER: US/10/156,761
 CURRENT FILING DATE: 2002-05-29
 PRIORITY NUMBER: JP 2001-204089
 PRIORITY NUMBER: 2001-05-30
 PRIORITY NUMBER: JP 2001-272697
 PRIORITY FILING DATE: 2001-08-02
 NUMBER OF SEQ ID NOS: 15109
 SEQ ID NO 12525
 LENGTH: 102
 TYPE: PRT
 ORGANISM: Streptomyces avermitilis
 ACCESSION: US-10-156-761-12525

Query Match	45.0%	Score 33;	DB 15;	Length 102
Best Local	Similarity 60.0%;	Pred. No. 1.9e+02;		
Matches	6; Conservative	3; Mismatches	1;	Indels

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  : | : | : |
  24  AEQTTASGIV 33
  
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SEARCH COMPLETED: December 3, 2003, 07:30:23
 SEARCH TIME: 00:00:00.000
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